

Figure 1

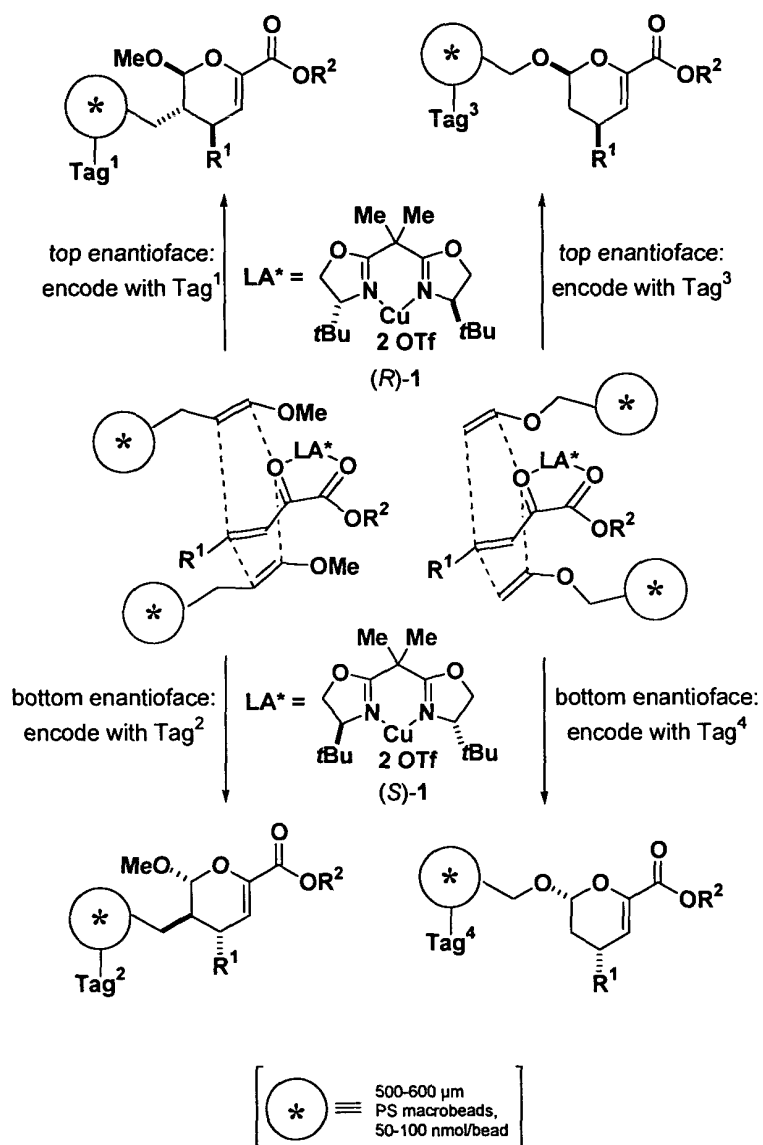


Figure 2

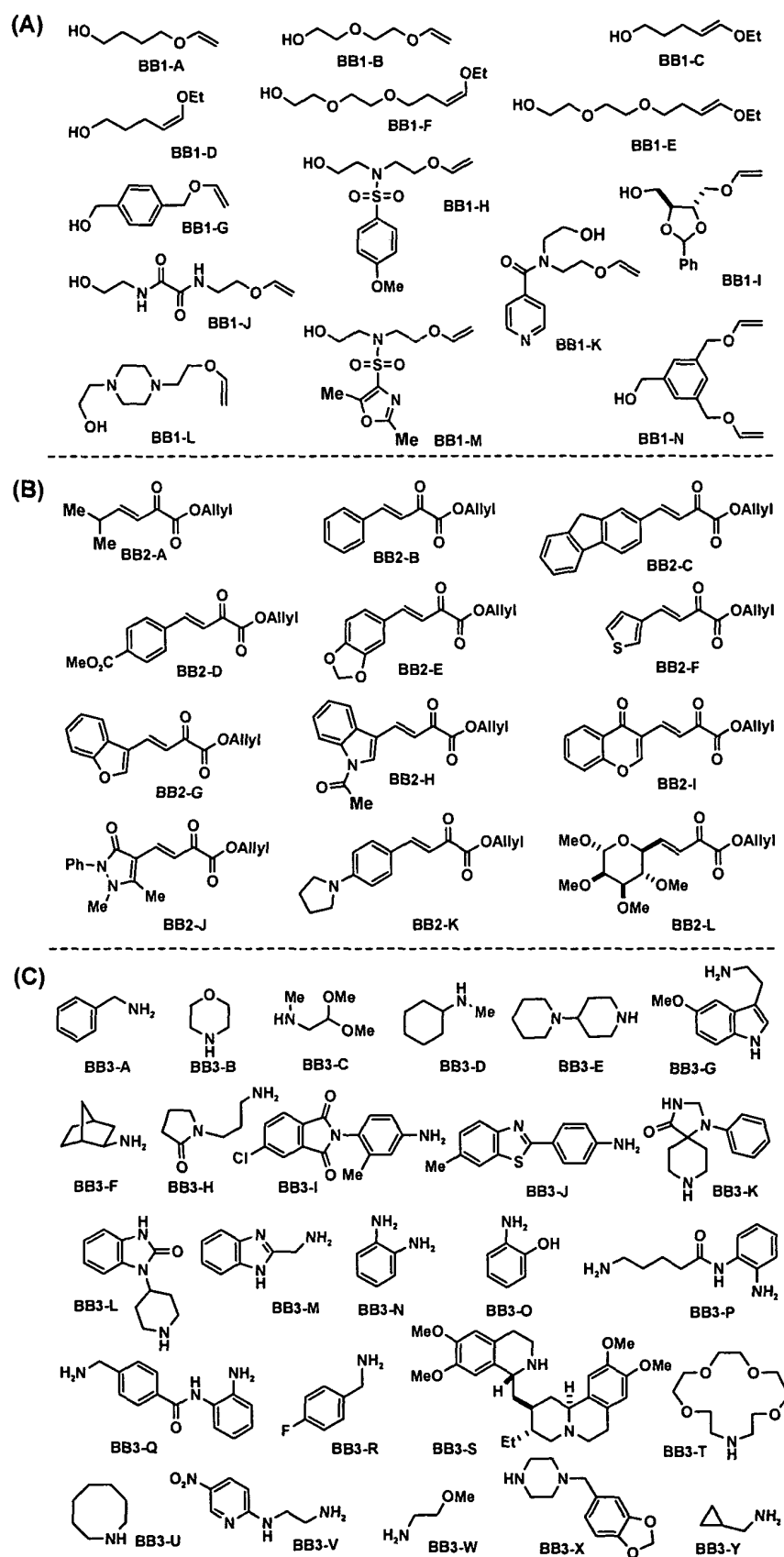


Figure 3

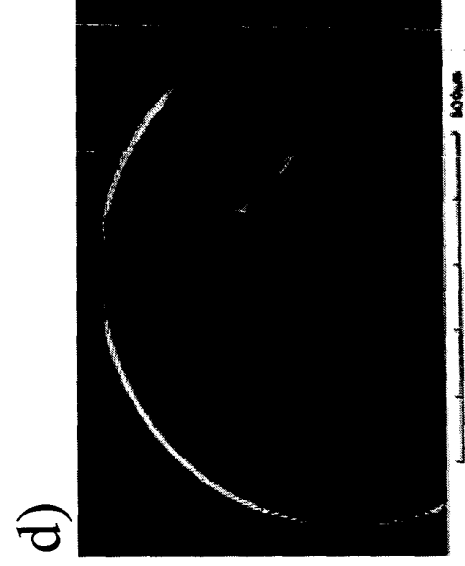
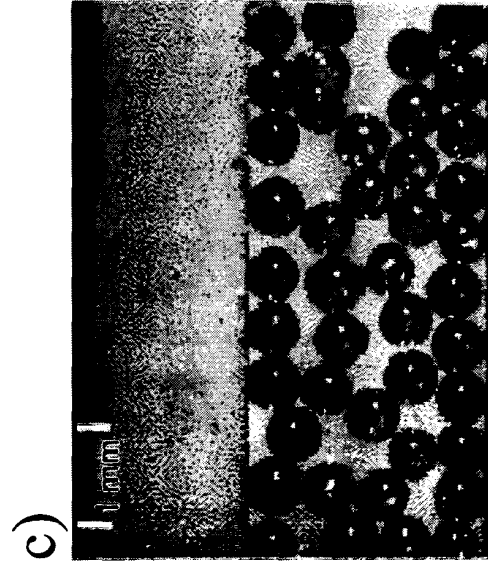
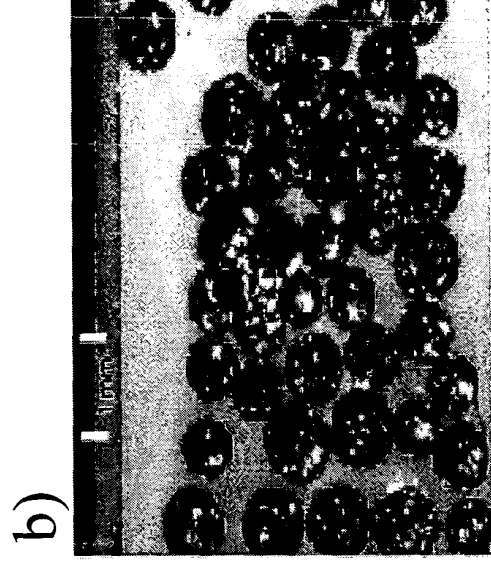
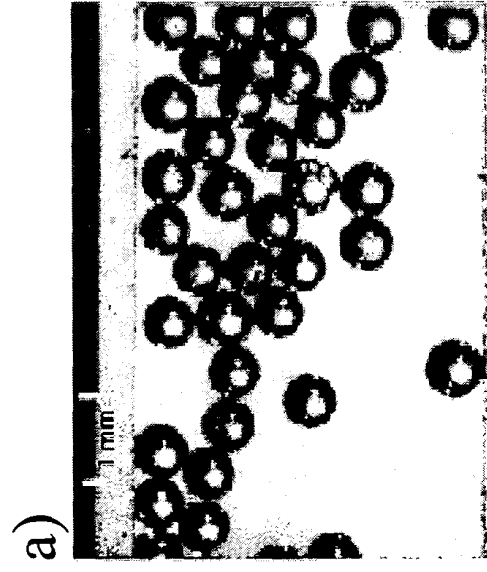


Figure 4

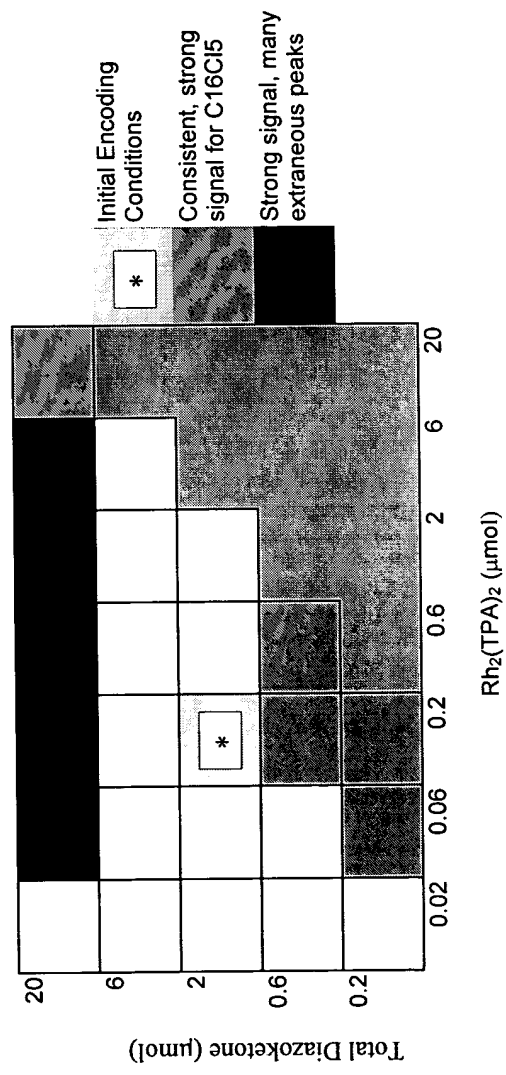


Figure 5

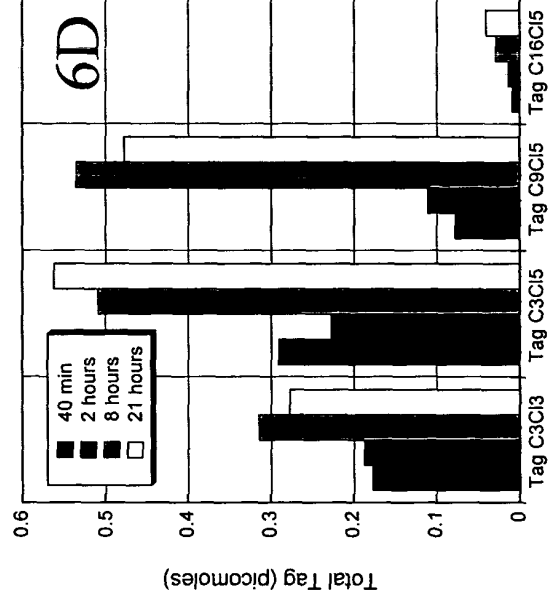
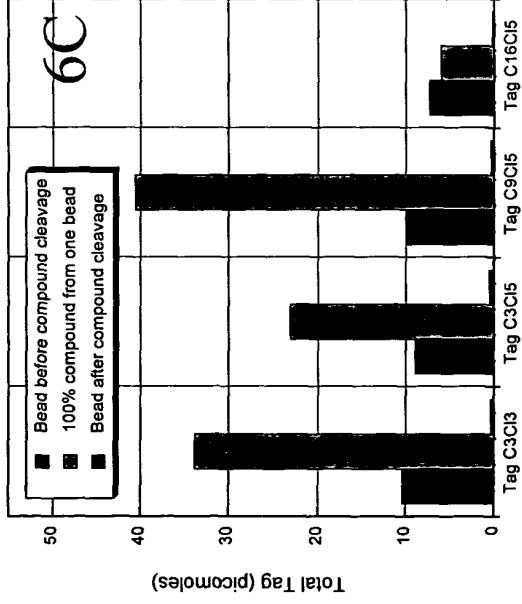
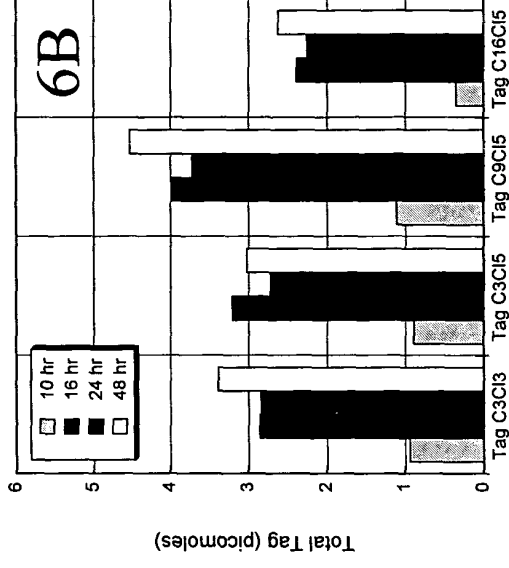
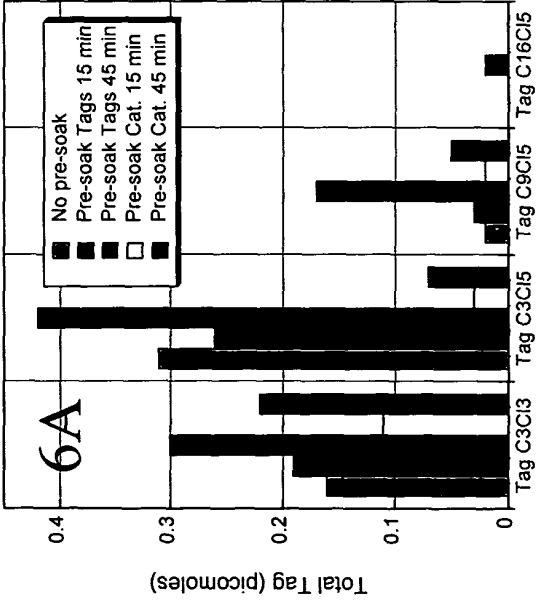


Figure 6

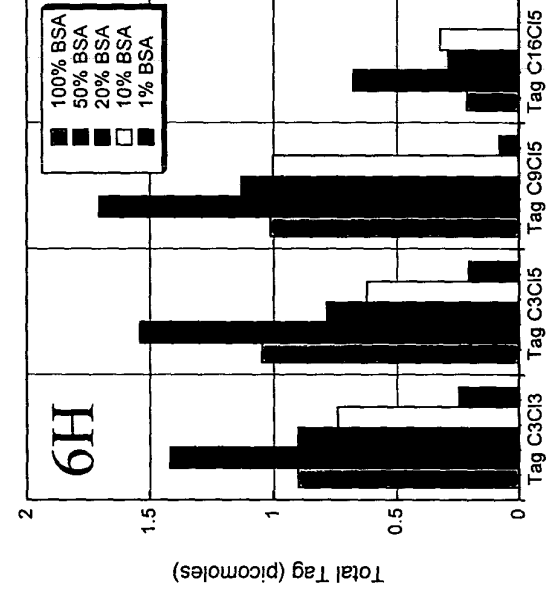
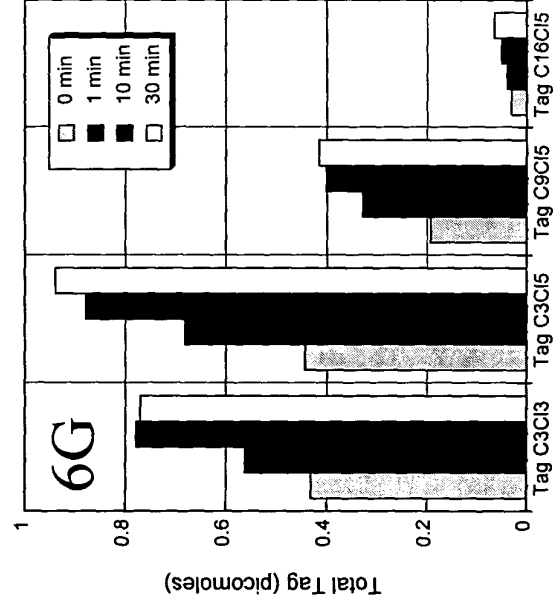
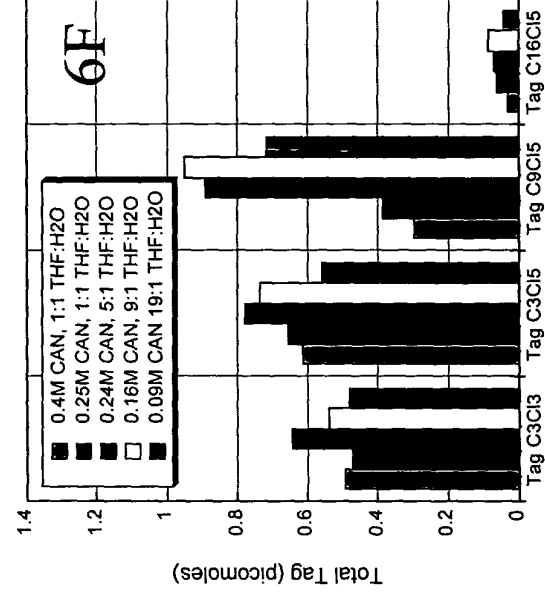
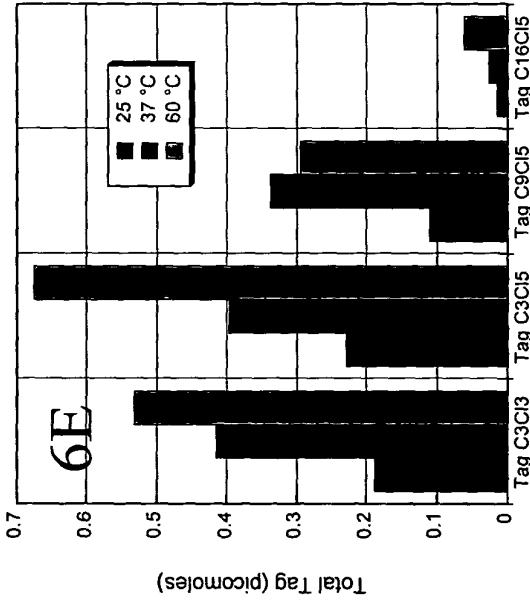


Figure 6 (cont.)

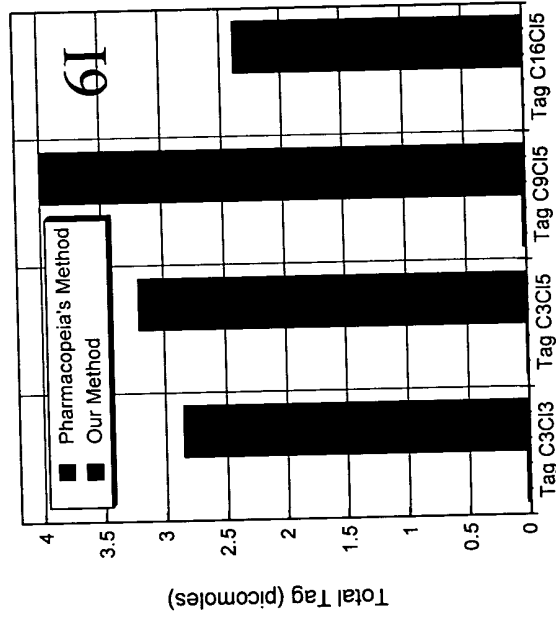


Figure 6 (cont.)

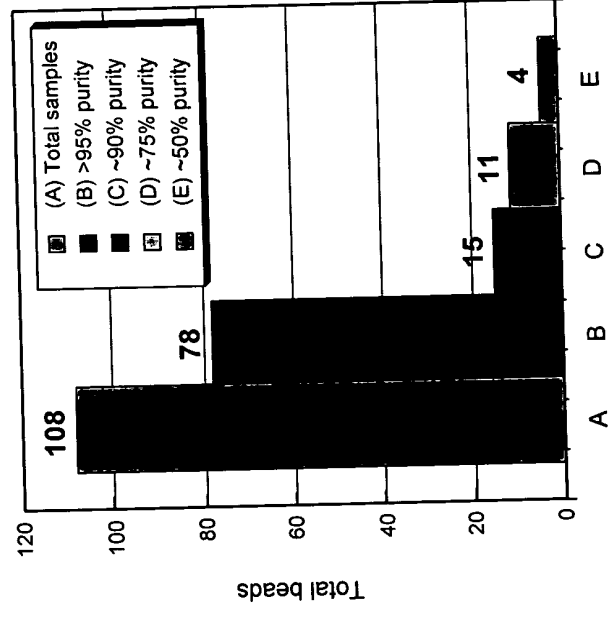


Figure 7

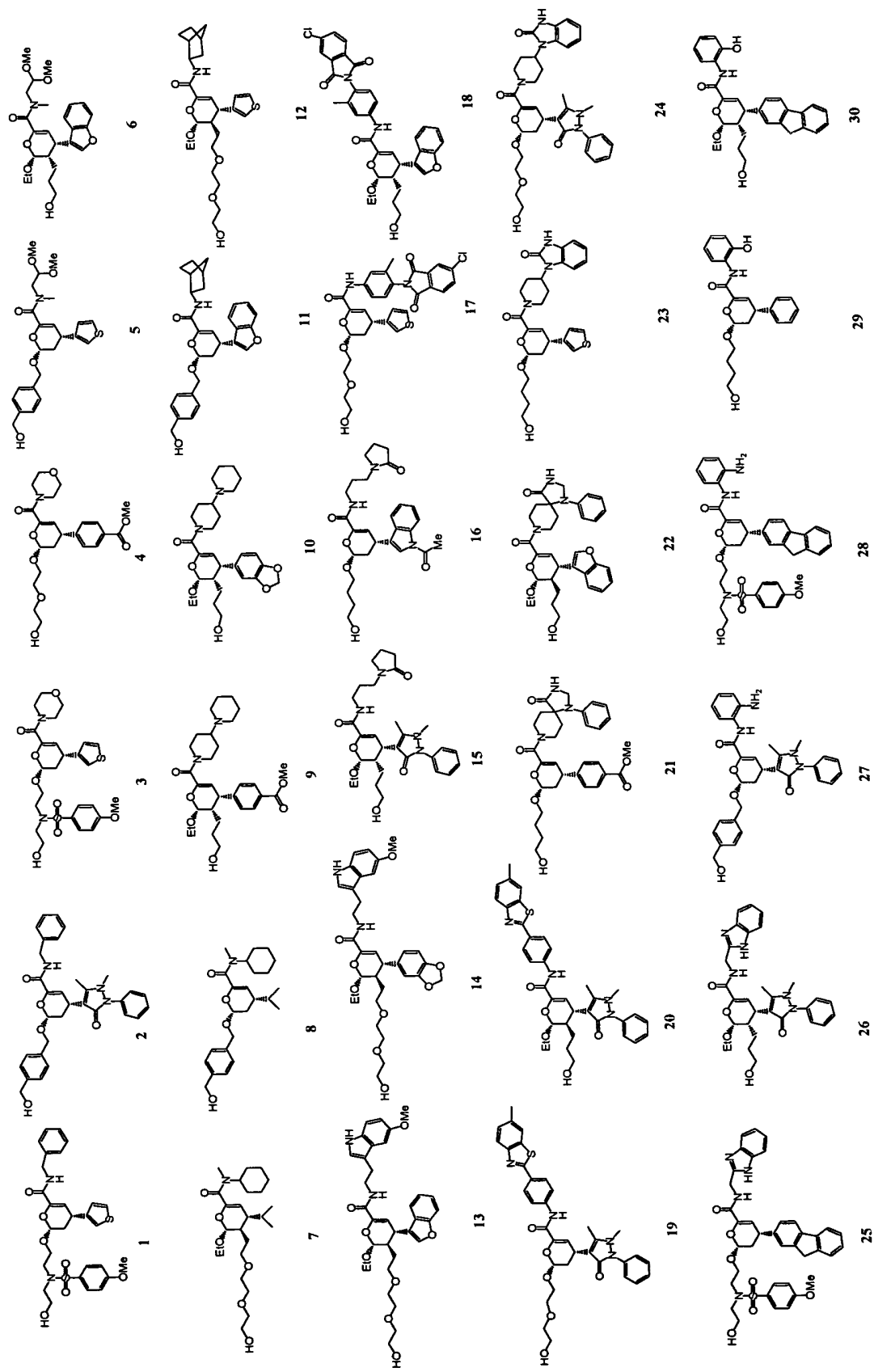


Figure 8A

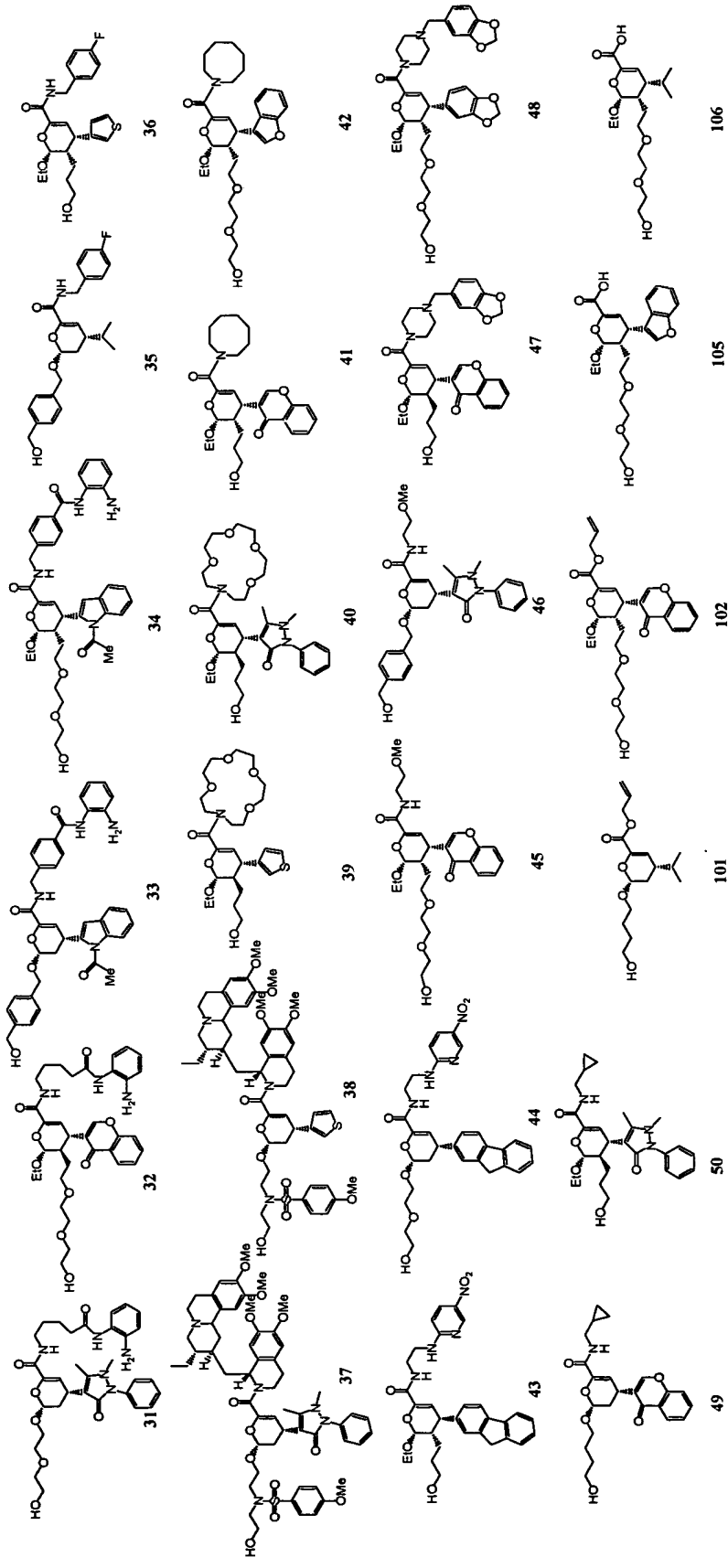


Figure 8B

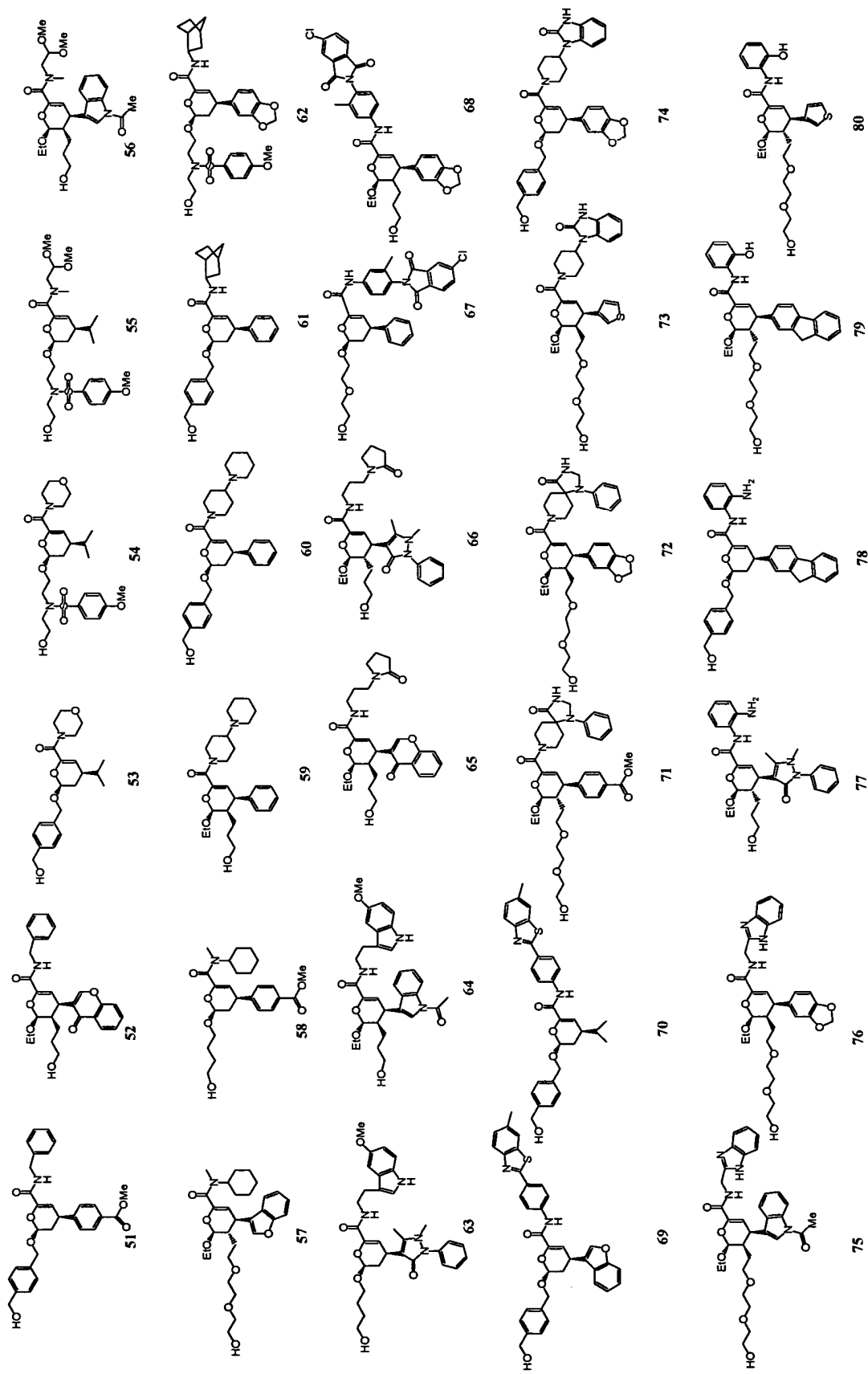


Figure 8C

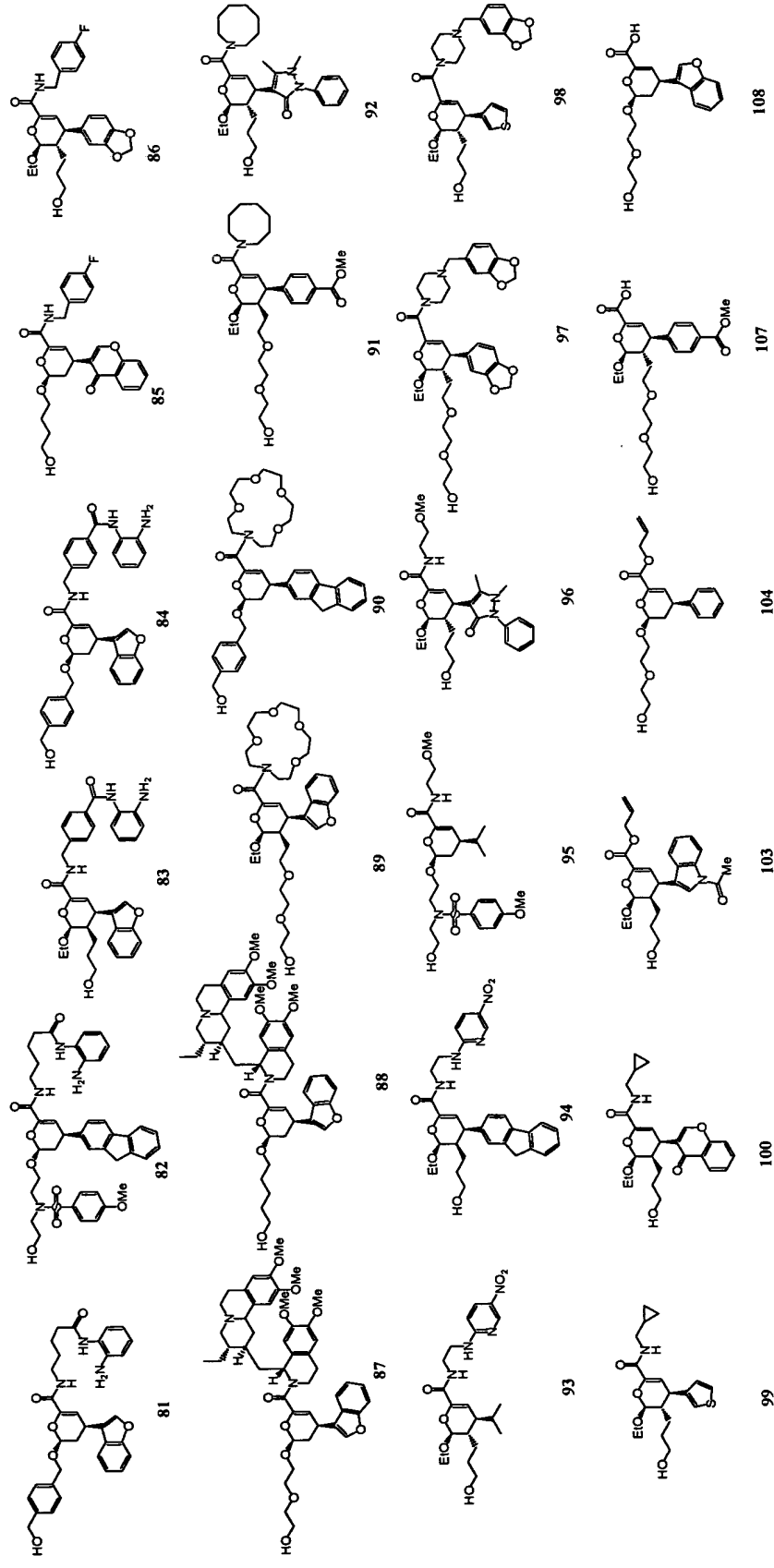


Figure 8D

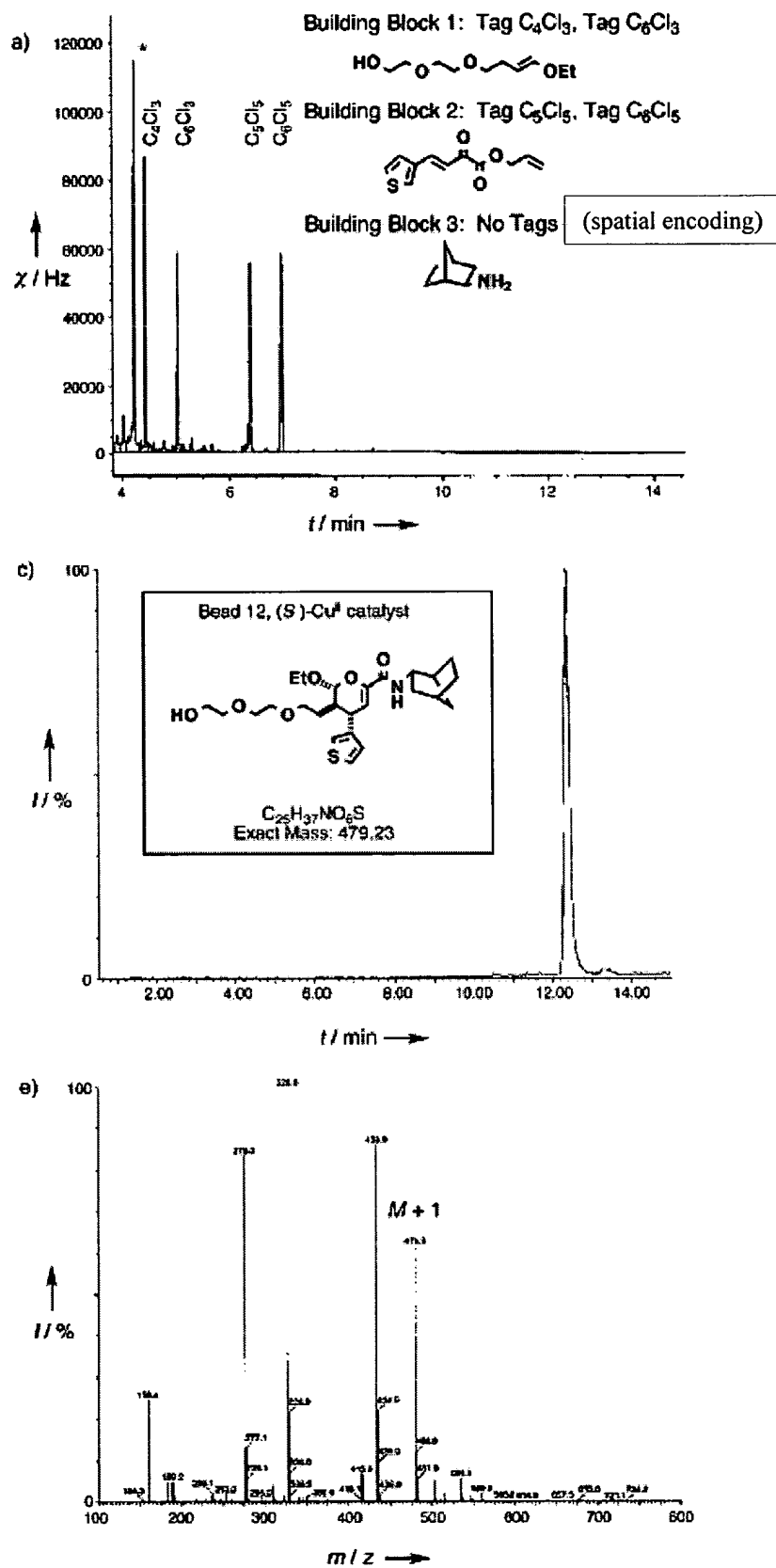


Figure 9A

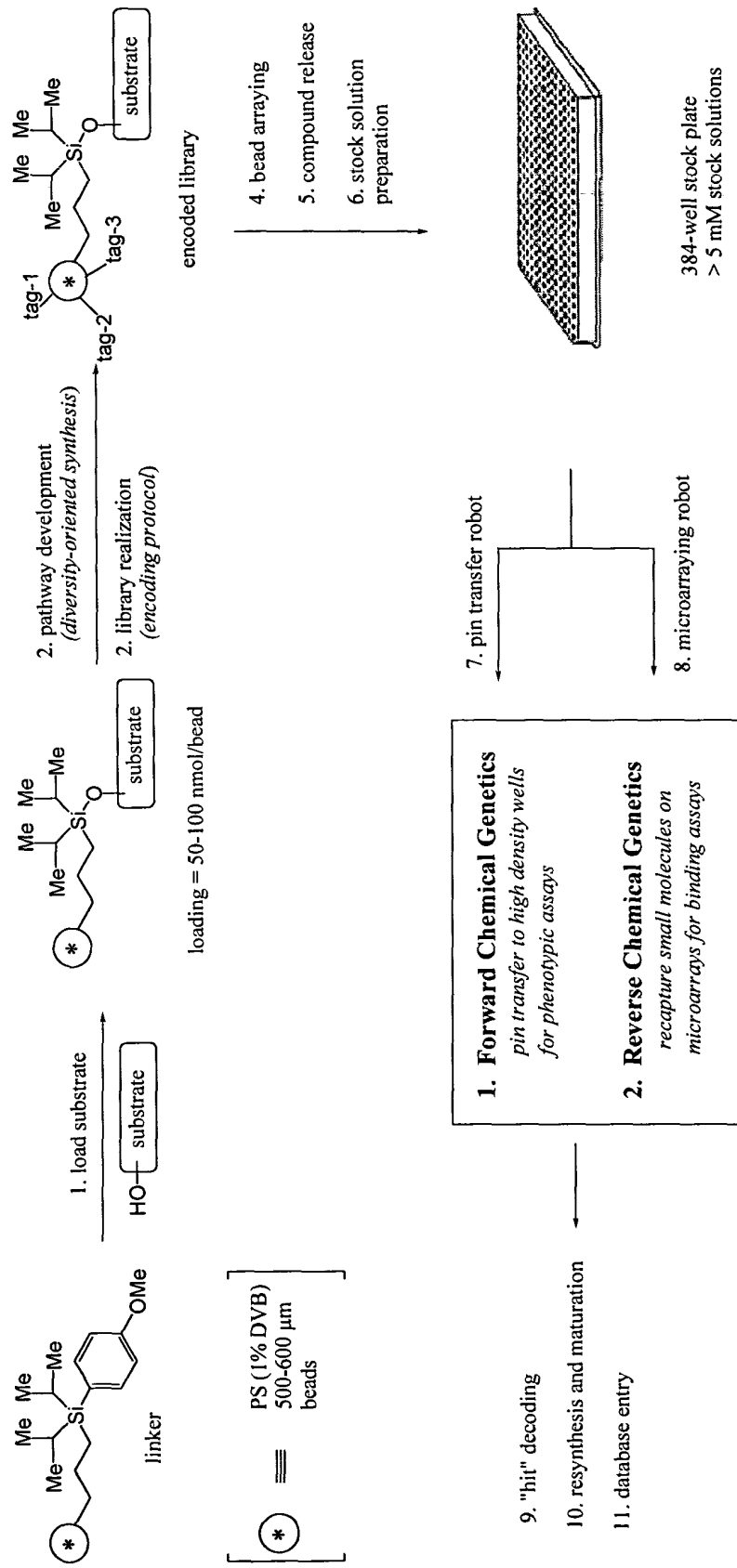


Figure 10

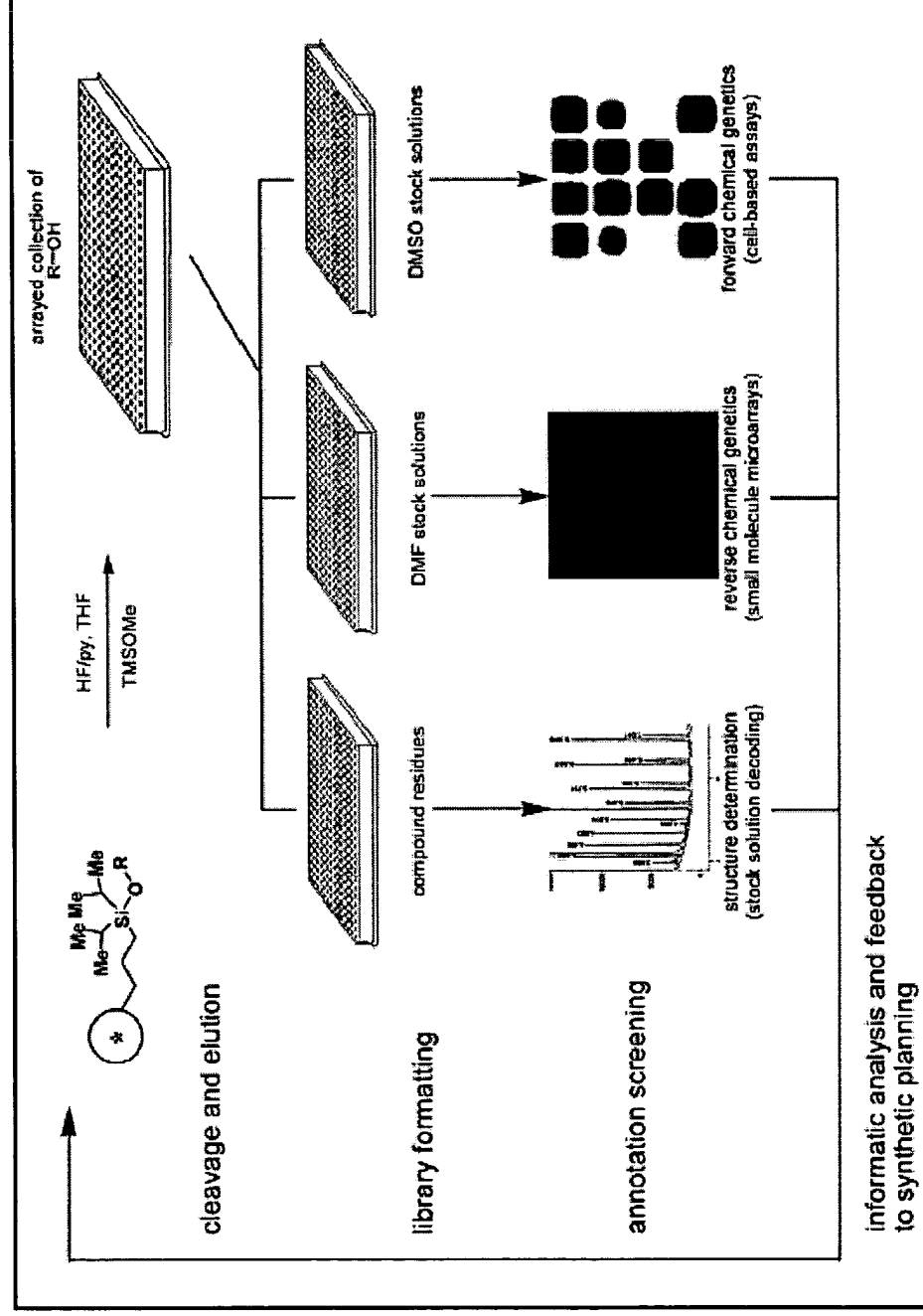


Figure 11

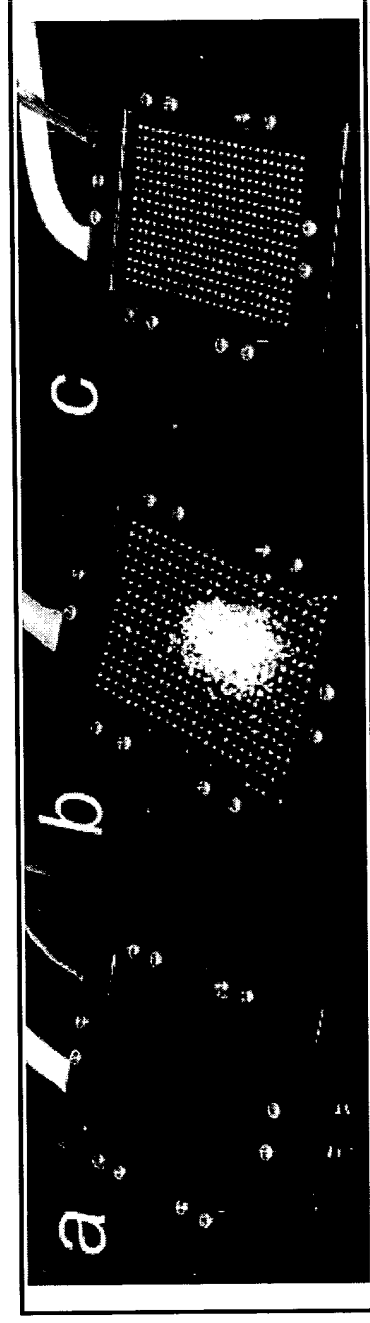


Figure 12

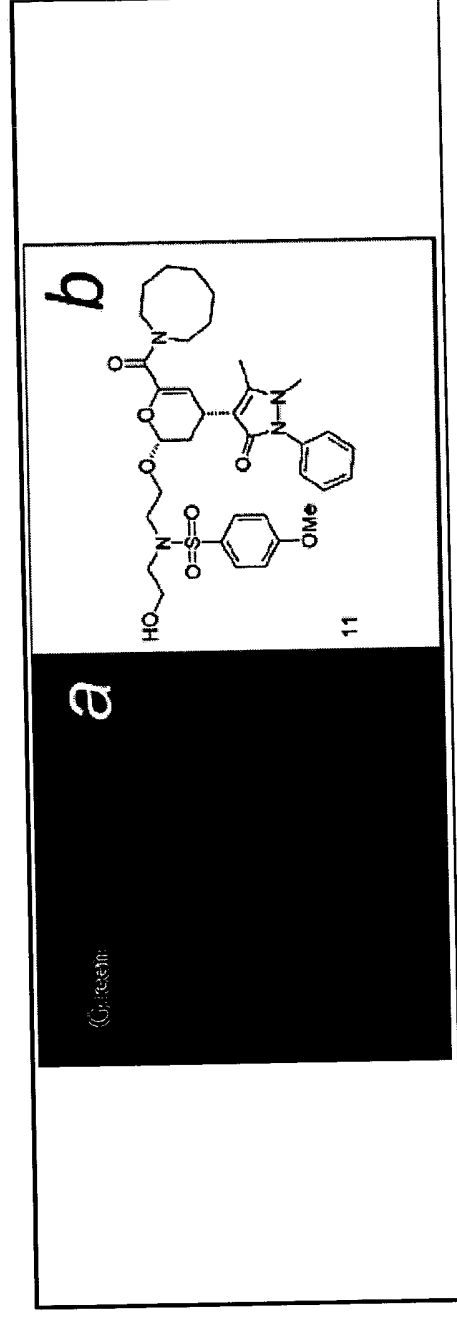


Figure 13

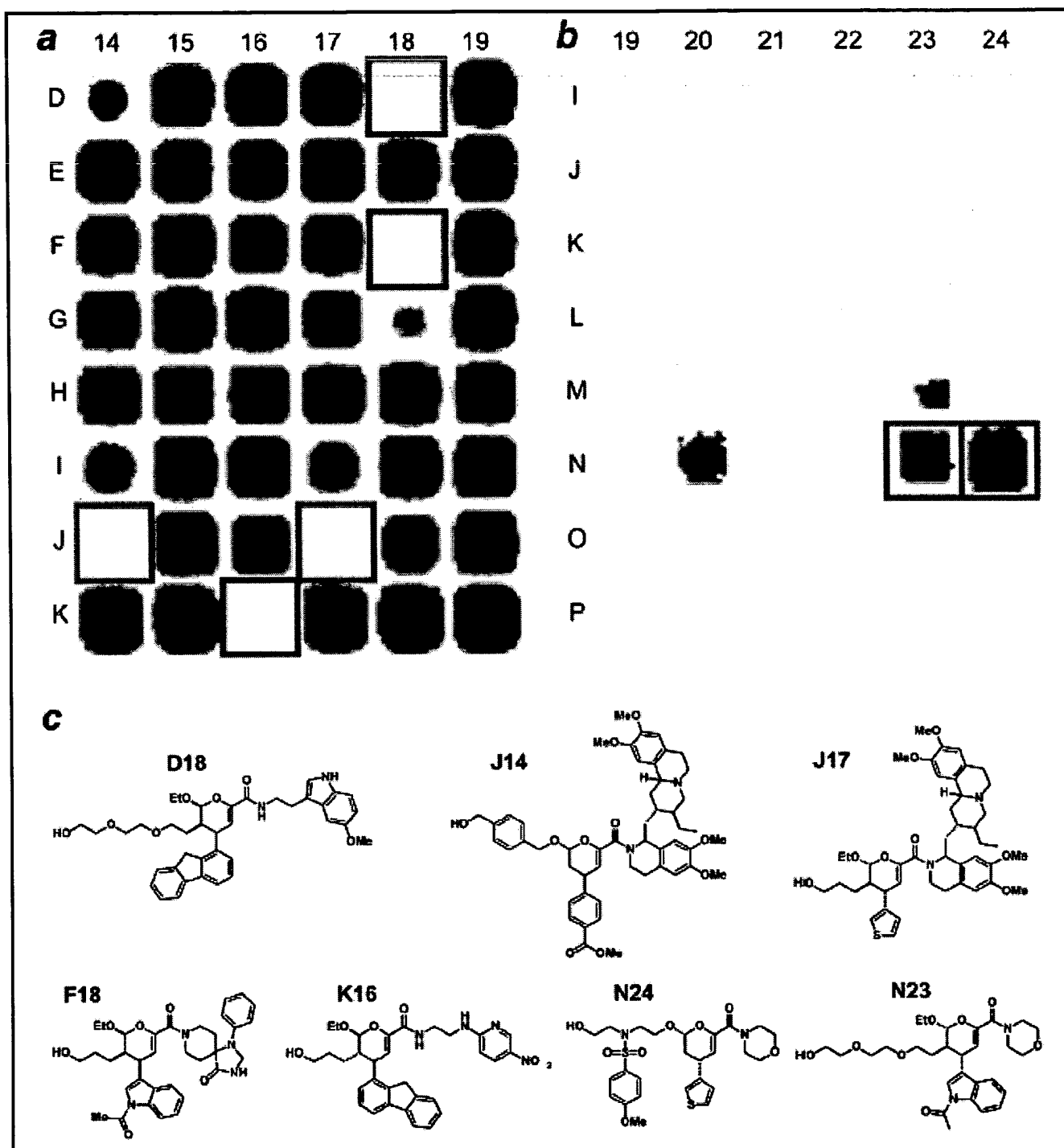
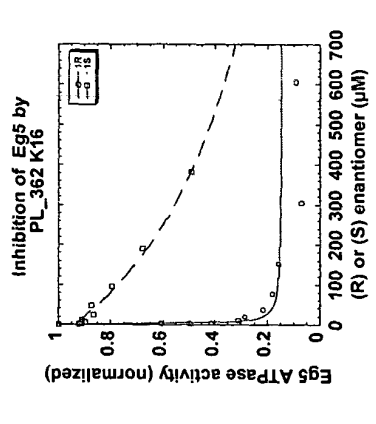
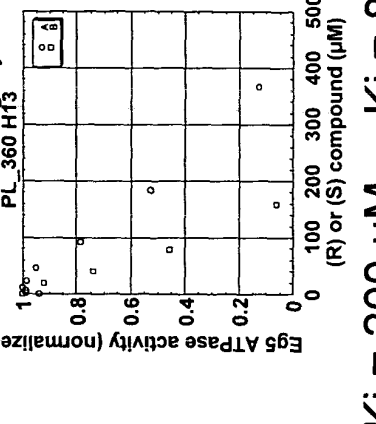
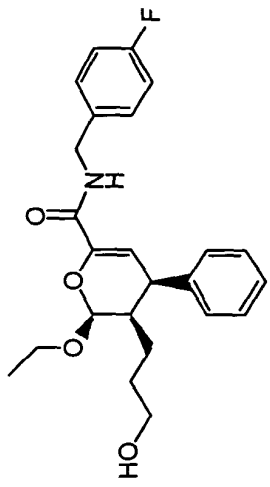
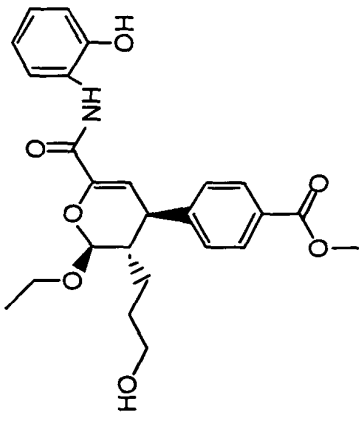


Figure 14

Effect on BS-C-1 cells (R)	(S)	Inhibition of ATP hydrolysis by Eg5 in vitro (R)	(S)
	<p>Induces</p> <p>Mono-asters</p> <p>60 μM 1 mM</p>	 <p>$K_i = 1.9 \mu\text{M}$ $K_i > 100 \mu\text{M}$</p>	 <p>$K_i = 200 \mu\text{M}$ $K_i = 80 \mu\text{M}$</p>
<p>Induces MT phenotype (NOT mono-asters)</p> <p>Not Eg5 inhibitor</p> <p>No effect 100 μM</p>			



Stavenger PL_362 K16 -(R)- active
(unpublished)



Stavenger PL_360 H13
(unpublished)

Figure 15

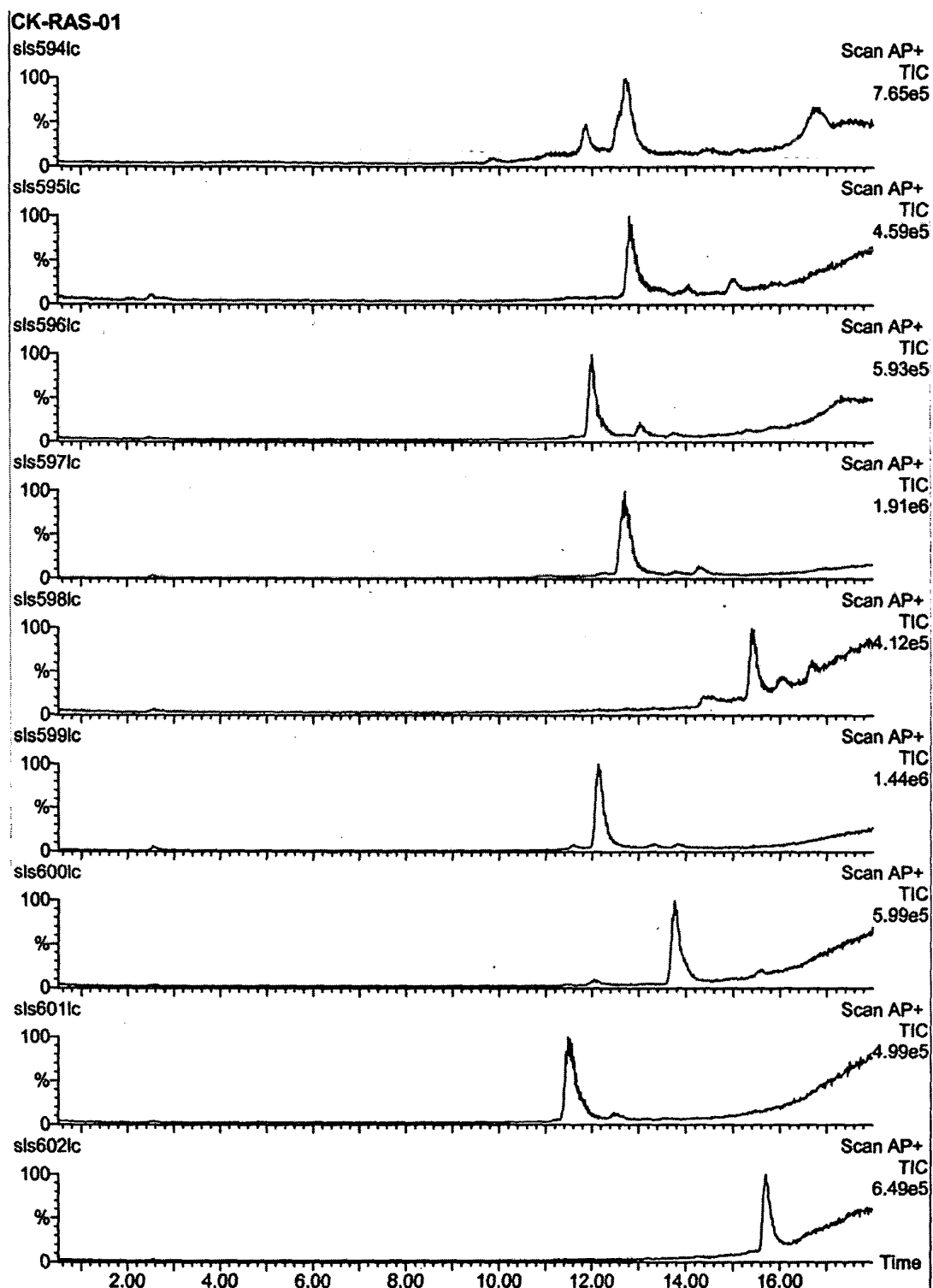


Figure 16A

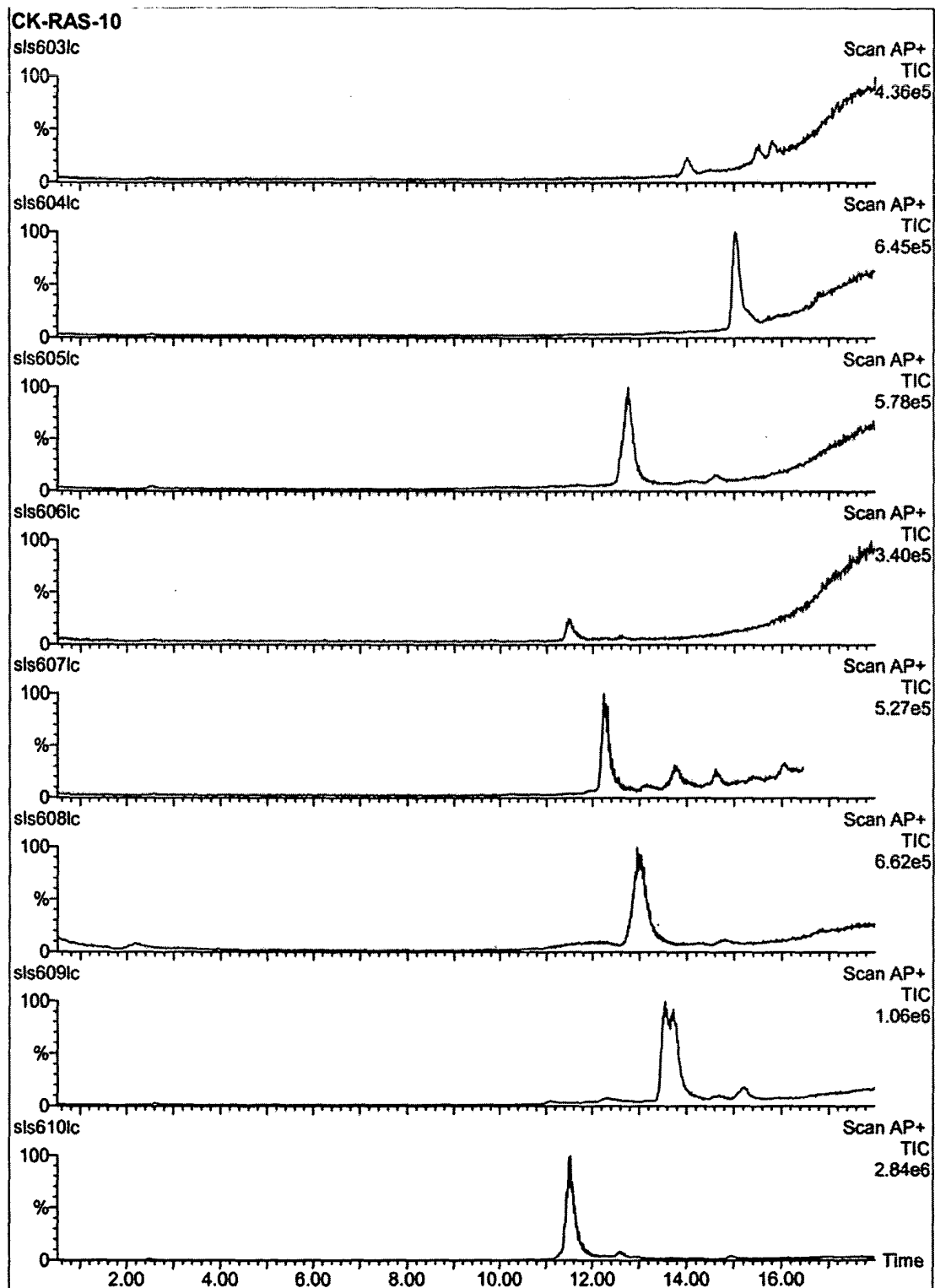


Figure 16B

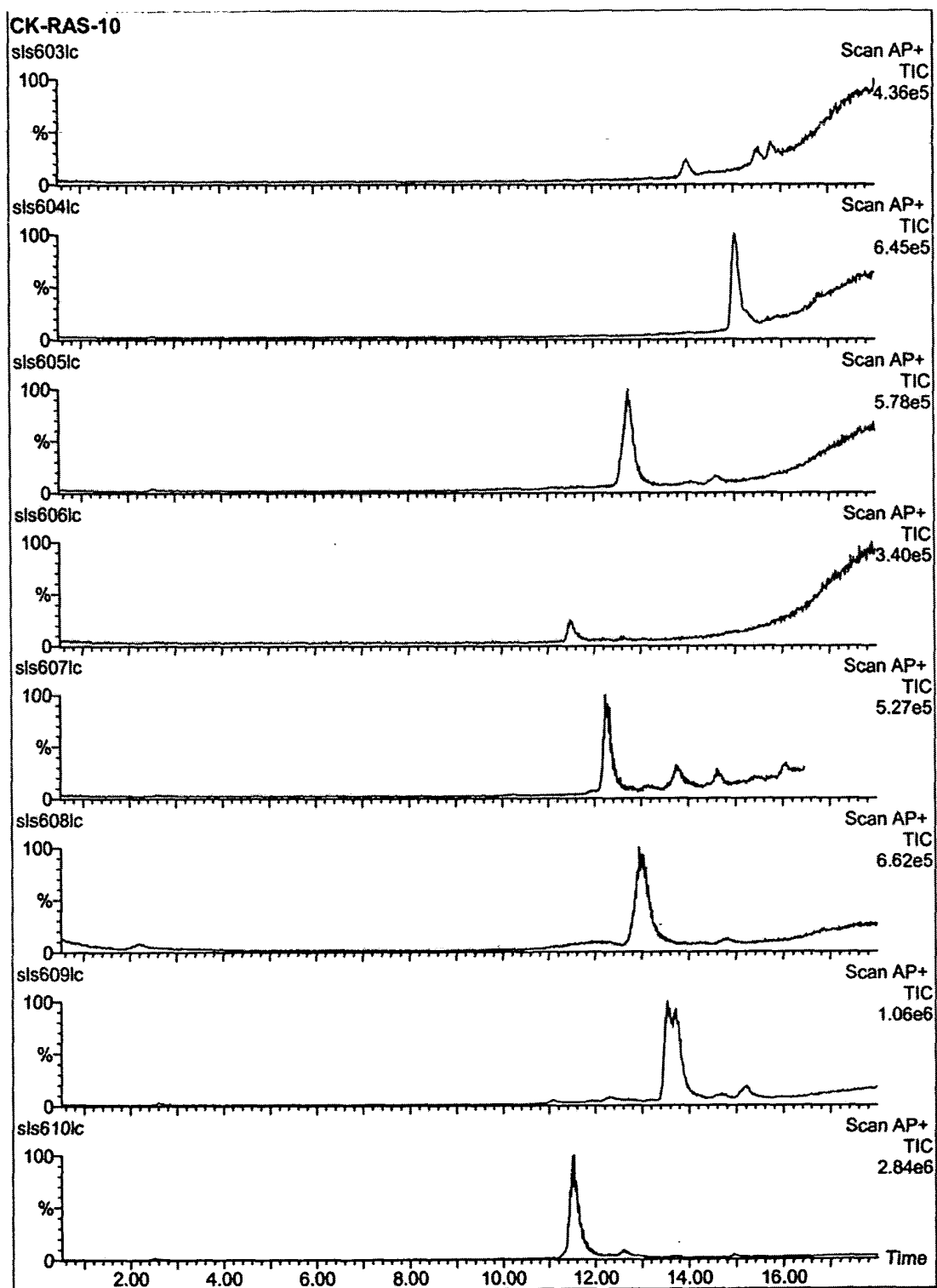


Figure 16C

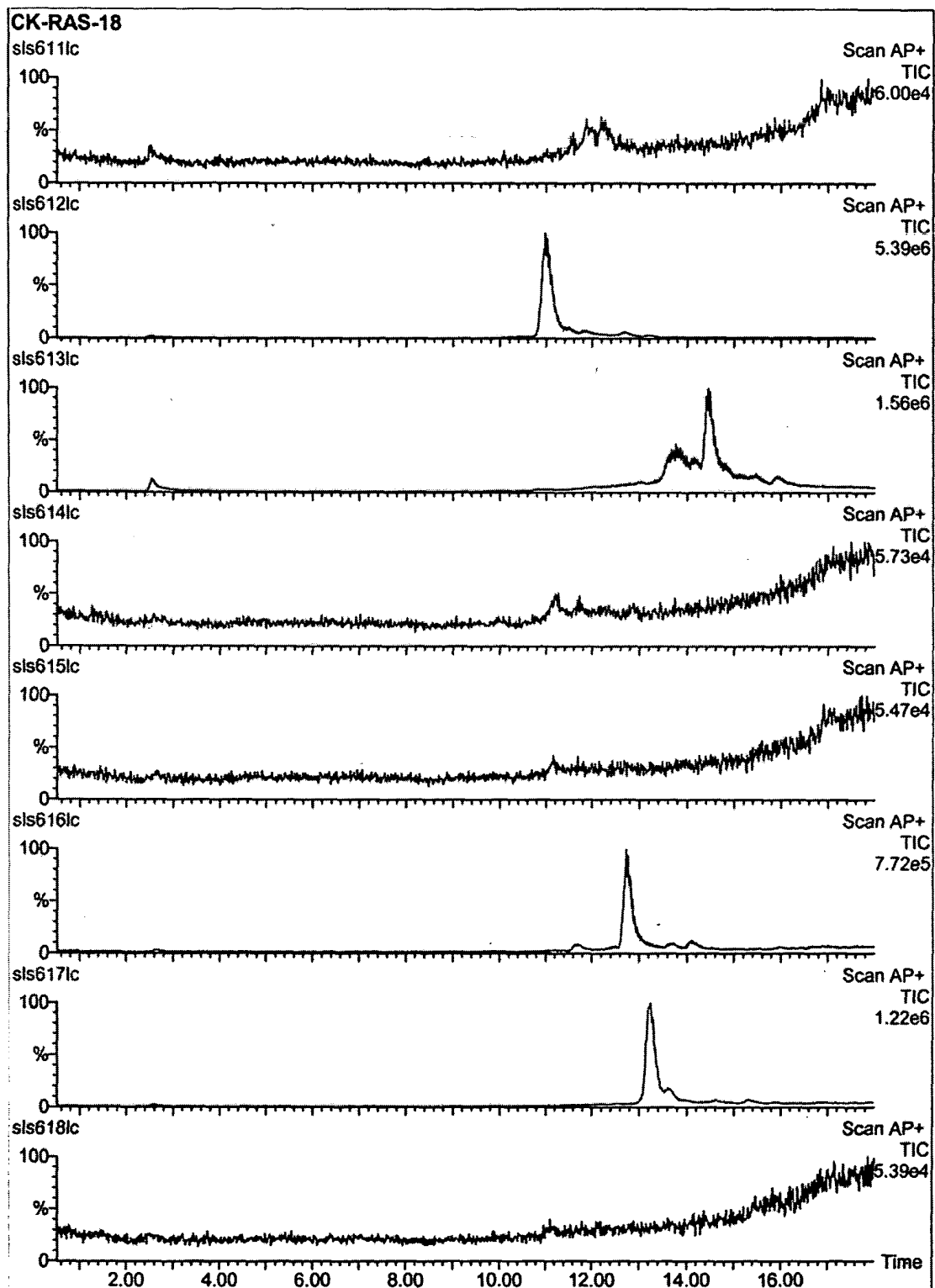


Figure 16D

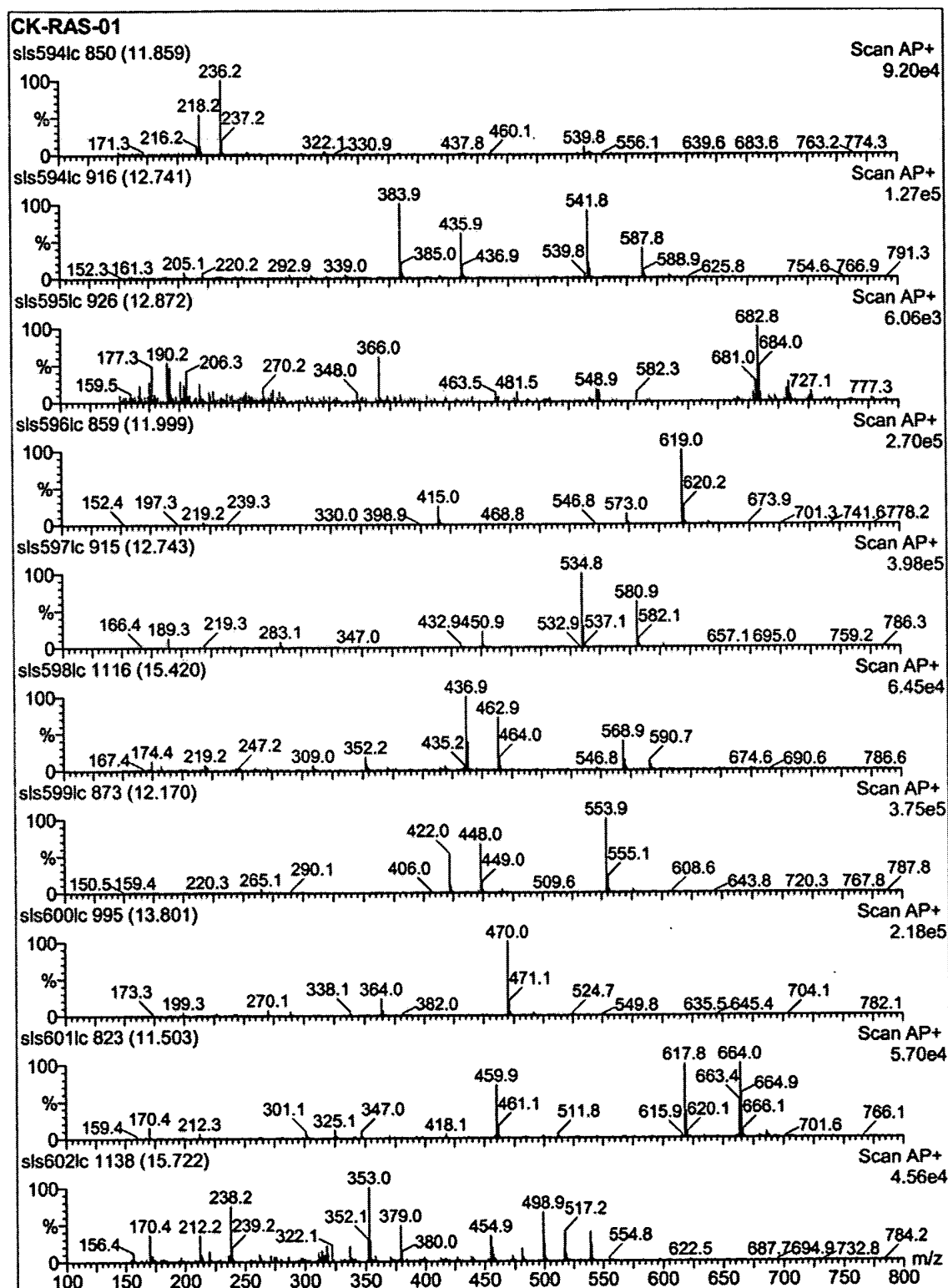


Figure 17A

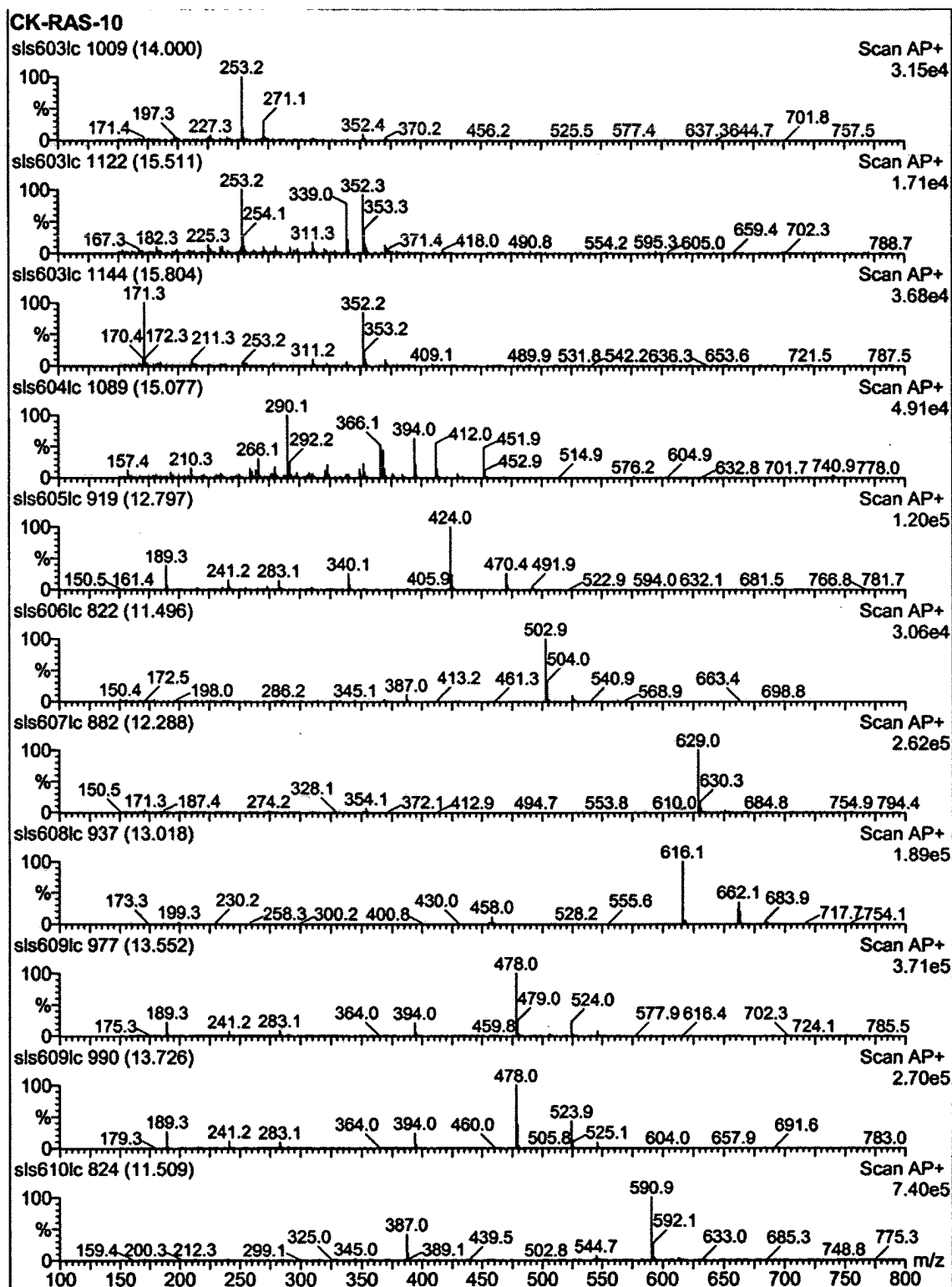


Figure 17B

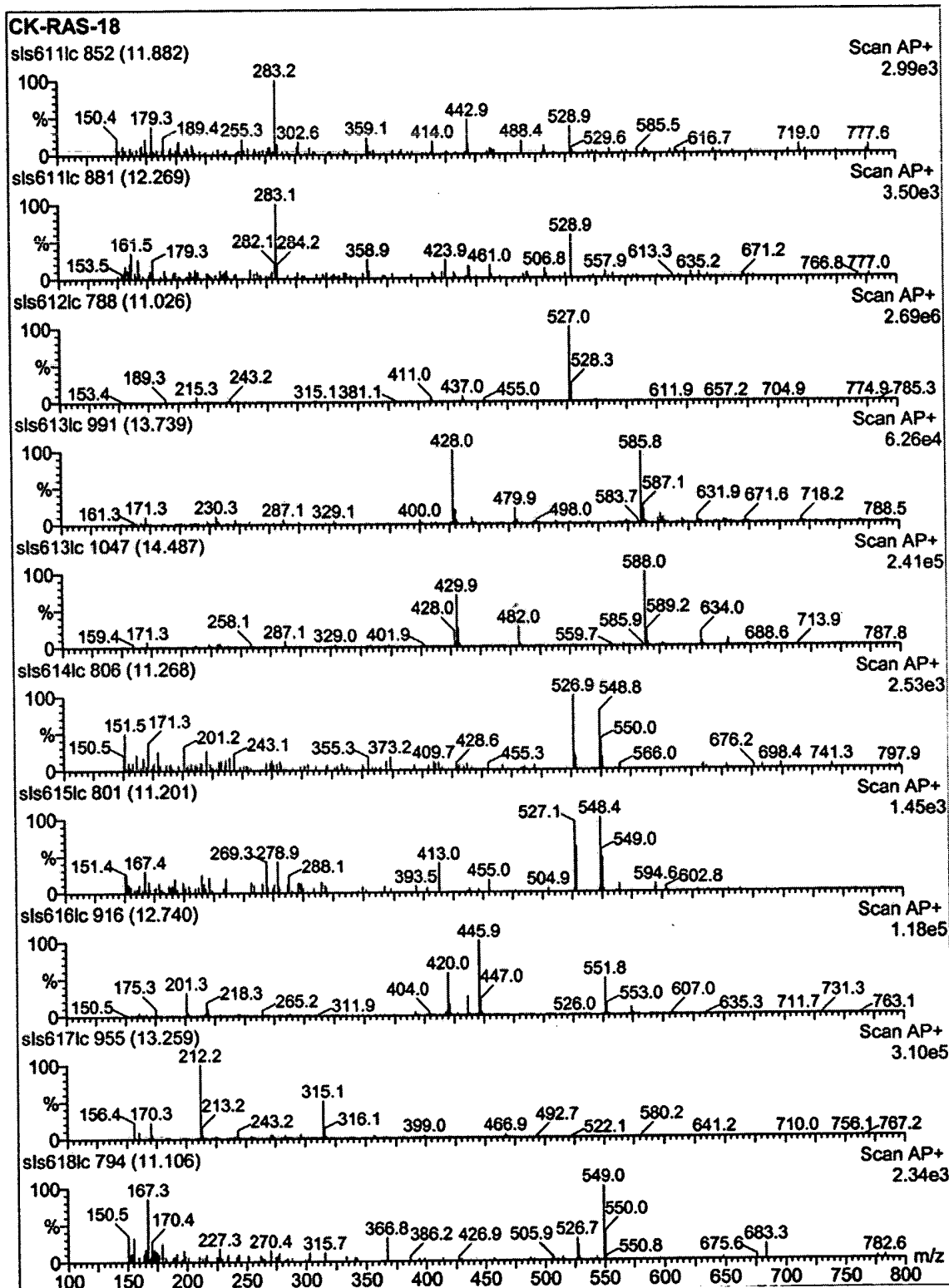


Figure 17C

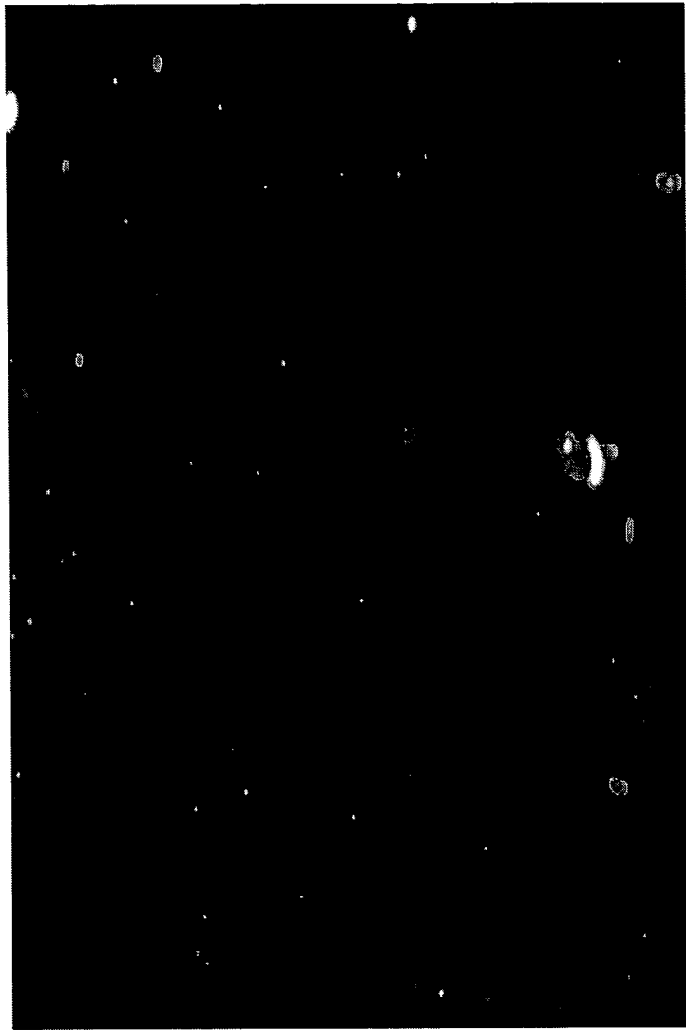


Figure 18A

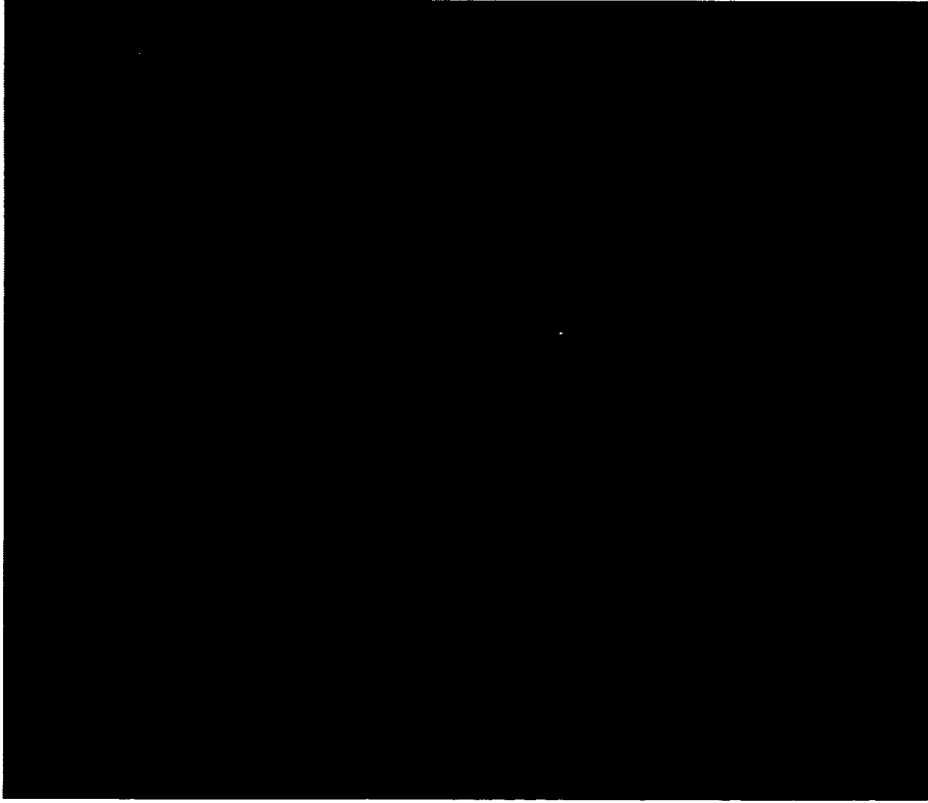


Figure 18B

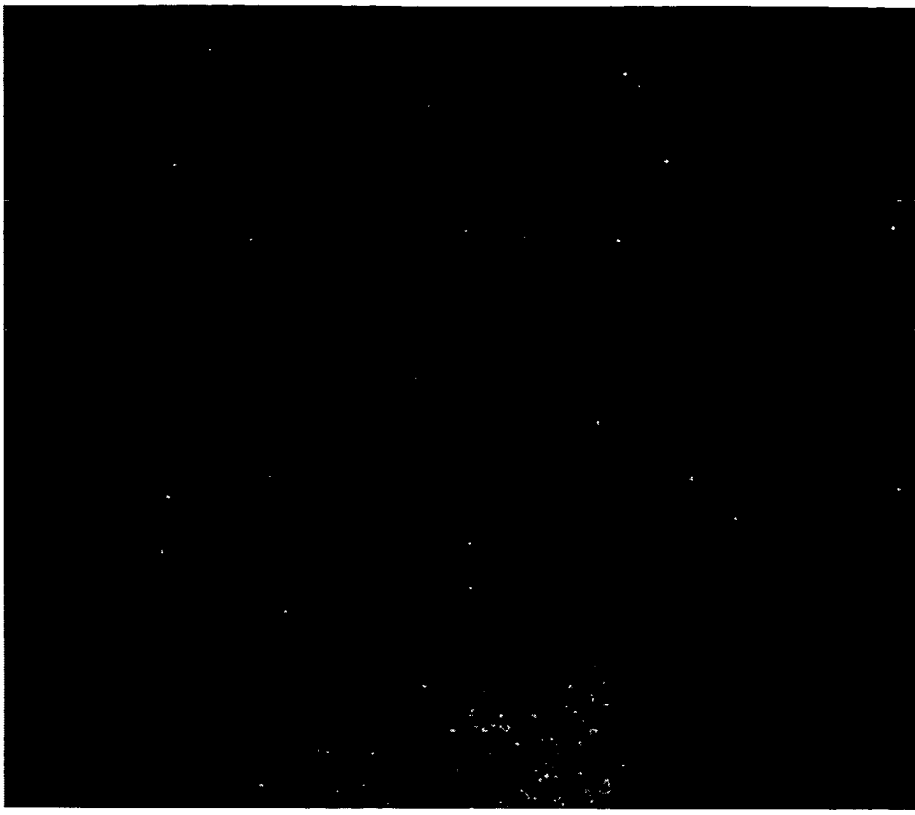


Figure 18C



Figure 18D

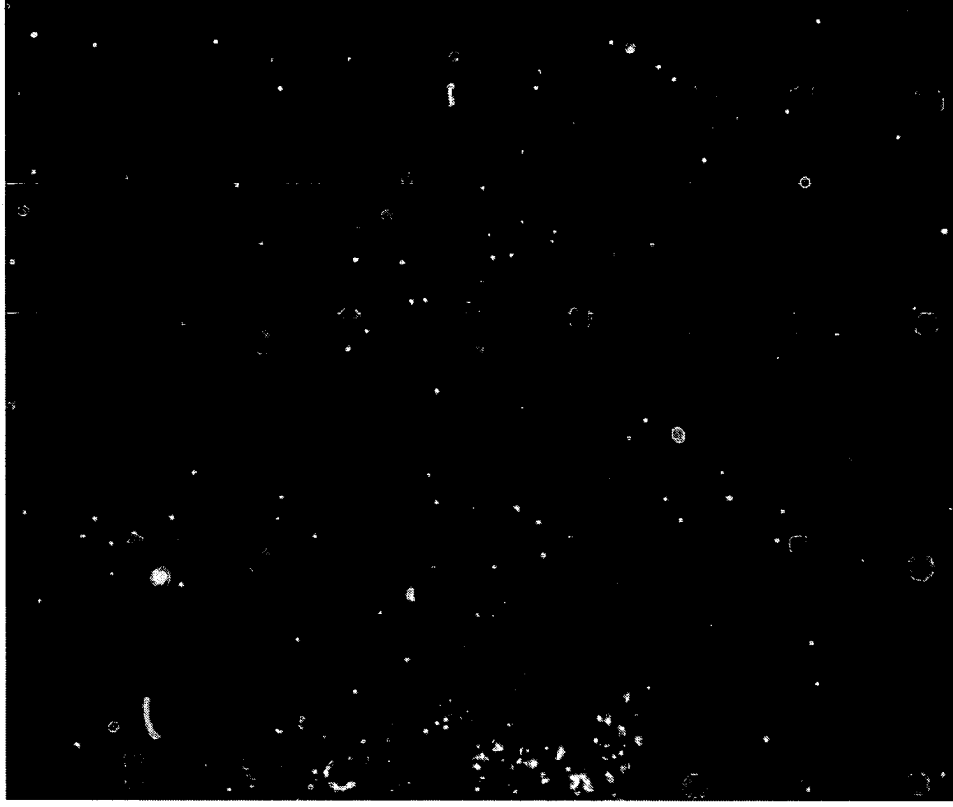


Figure 18E

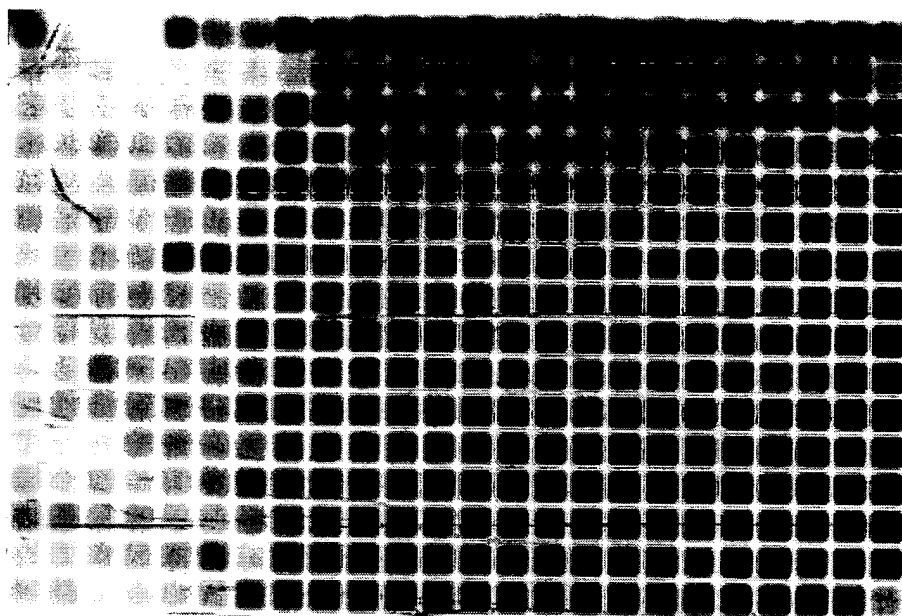


Figure 19A

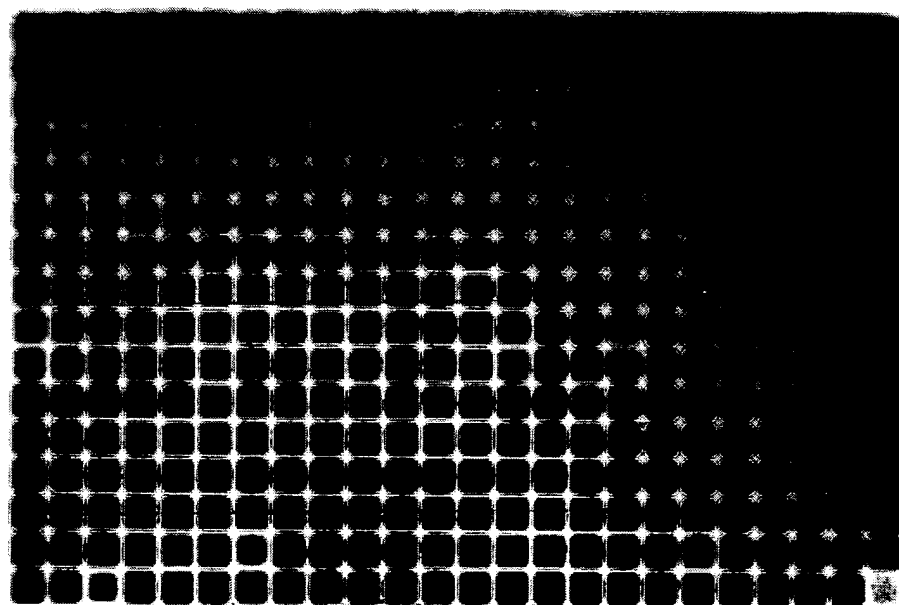


Figure 19B

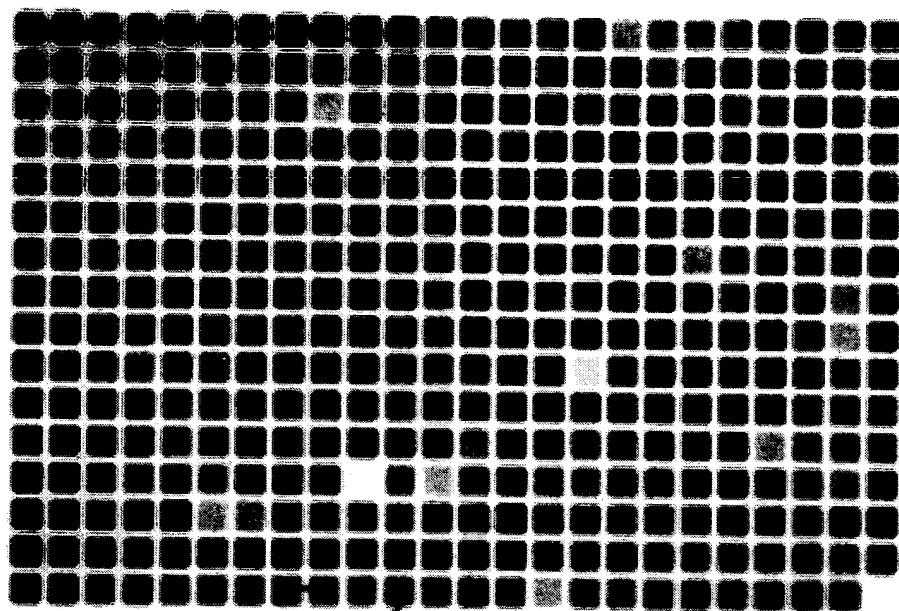


Figure 19C

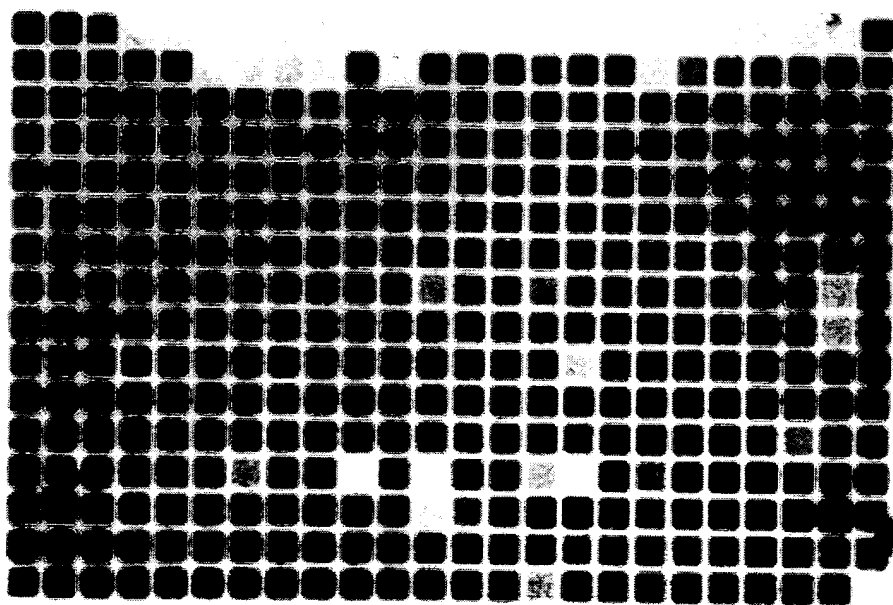


Figure 19D

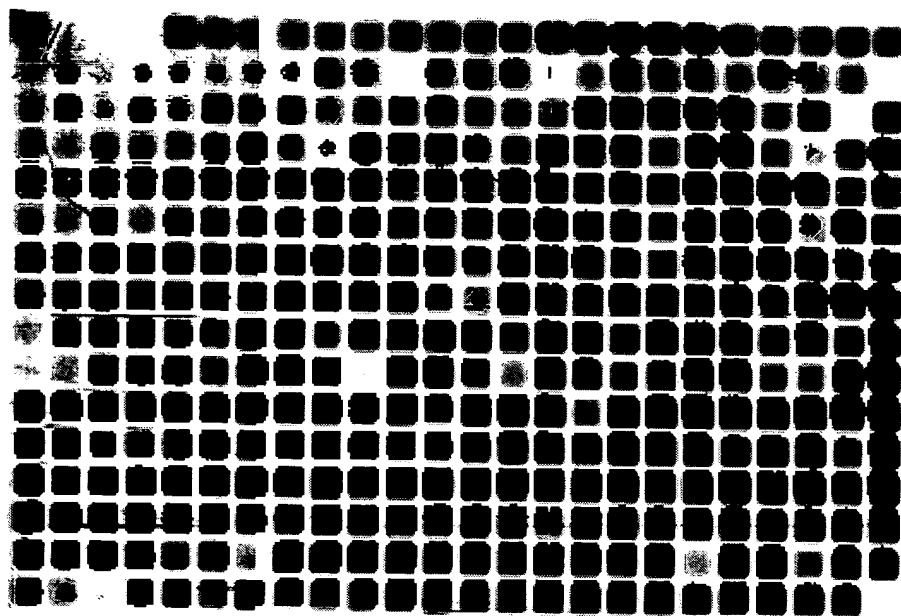


Figure 19E

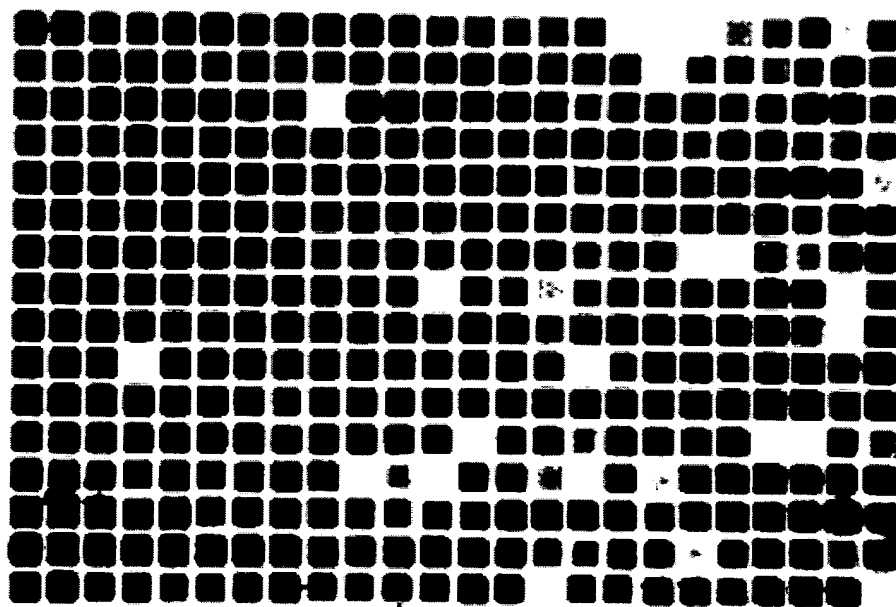


Figure 19F

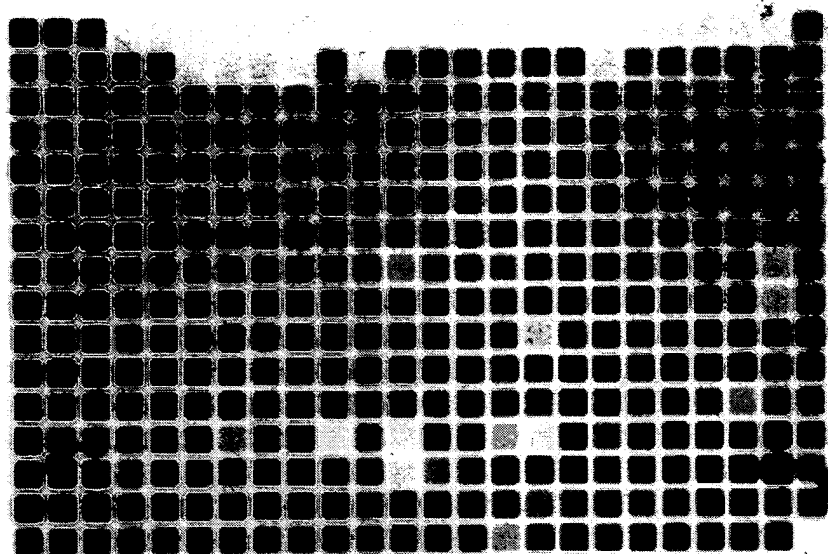


Figure 20A

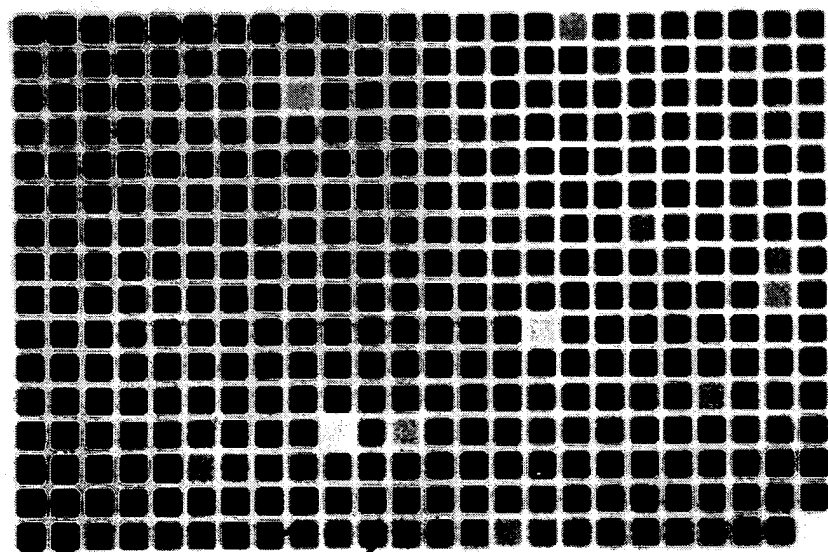
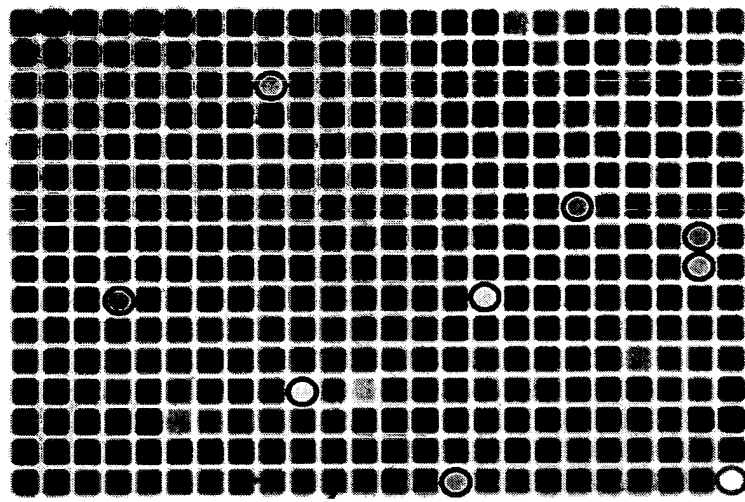


Figure 20B

10%FBS

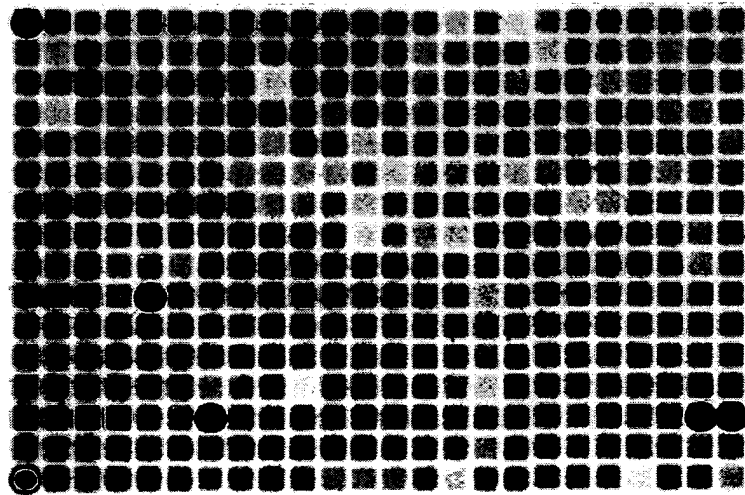
200mM
genesteln

Screen of RAS-384 for
Inhibitors of BrdU Incorporation
5 pinnings/cmpd (250-500nL; 25-50uM)
16-hr incubation with 1%FBS
Probed with 1:1000 α BrdU
5-min exposure



*Inhibition of BrdU
Incorporation*

Figure 21A



*Suppression of Genistein
Antiproliferative Effects*

Figure 21B

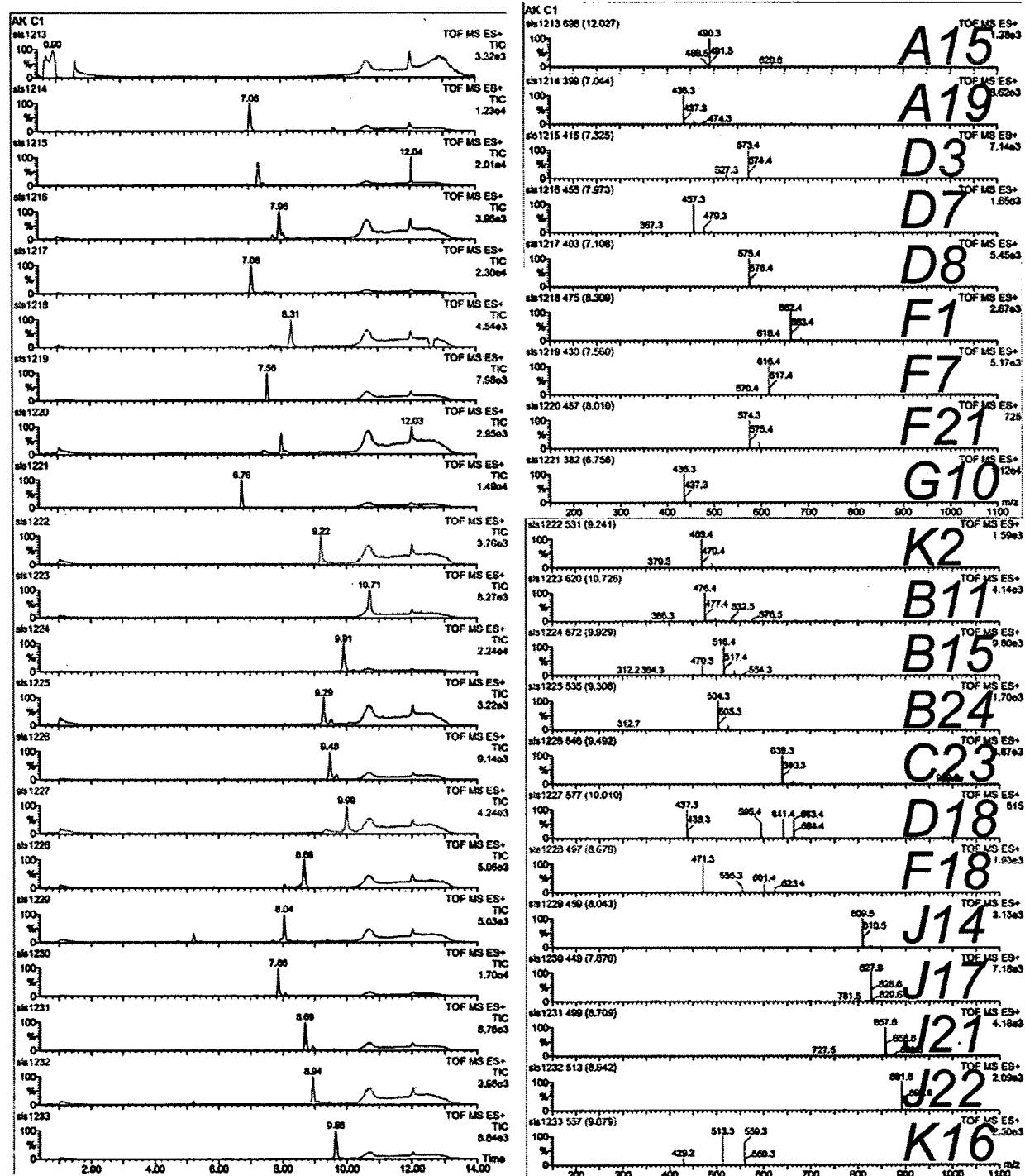


Figure 22



Pin Array

Rotating Vacuum
Cups for Lid
Removal

Figure 23

Small Molecule Printing

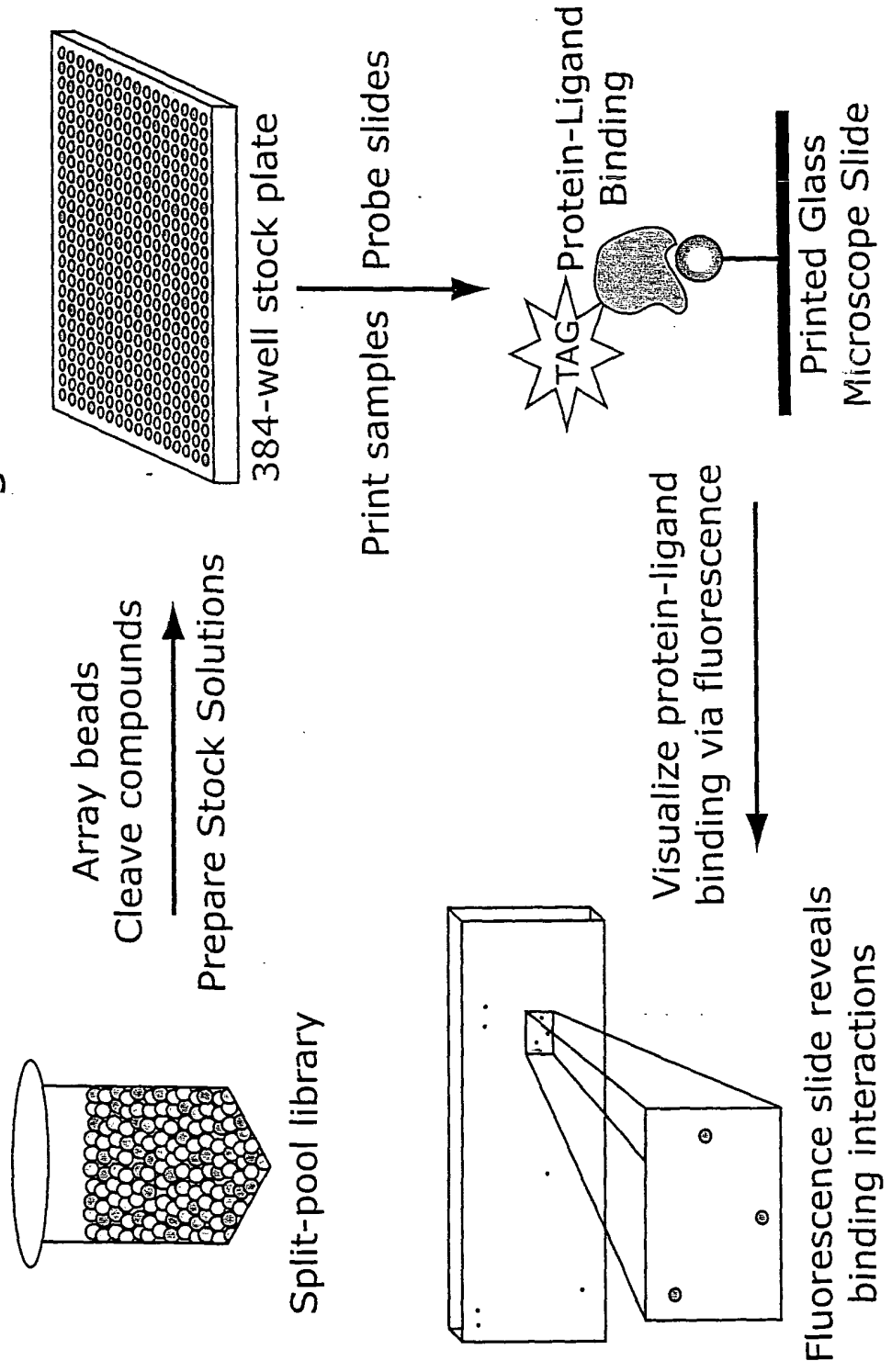
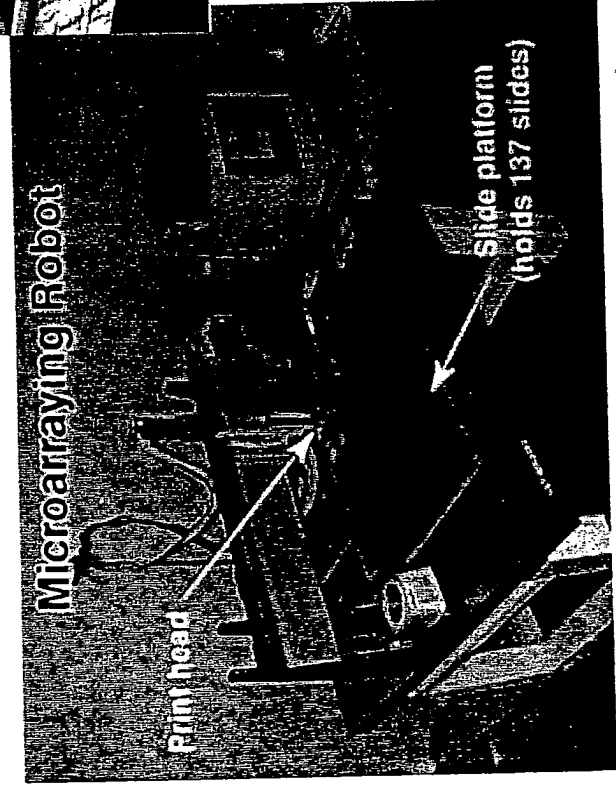
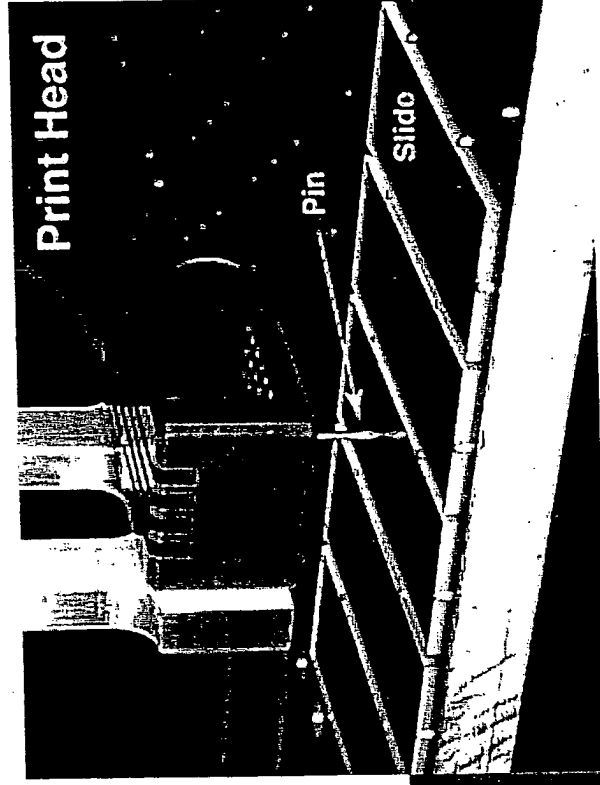


Figure 24

Small Molecule Microarraying Robot



(built by Jeff Tong and James Hardwick)

Figure 25